

Fig. 1

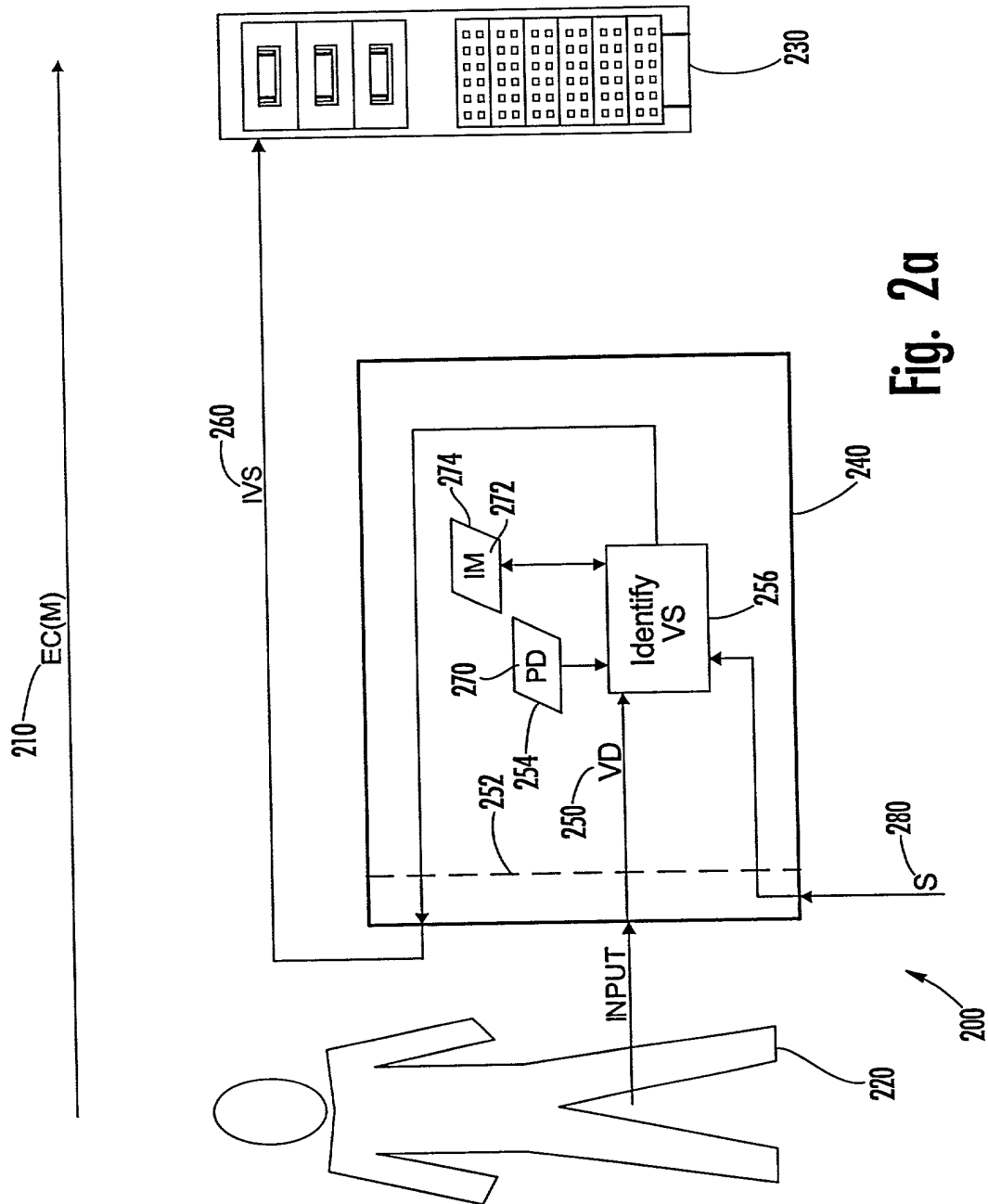


Fig. 2a

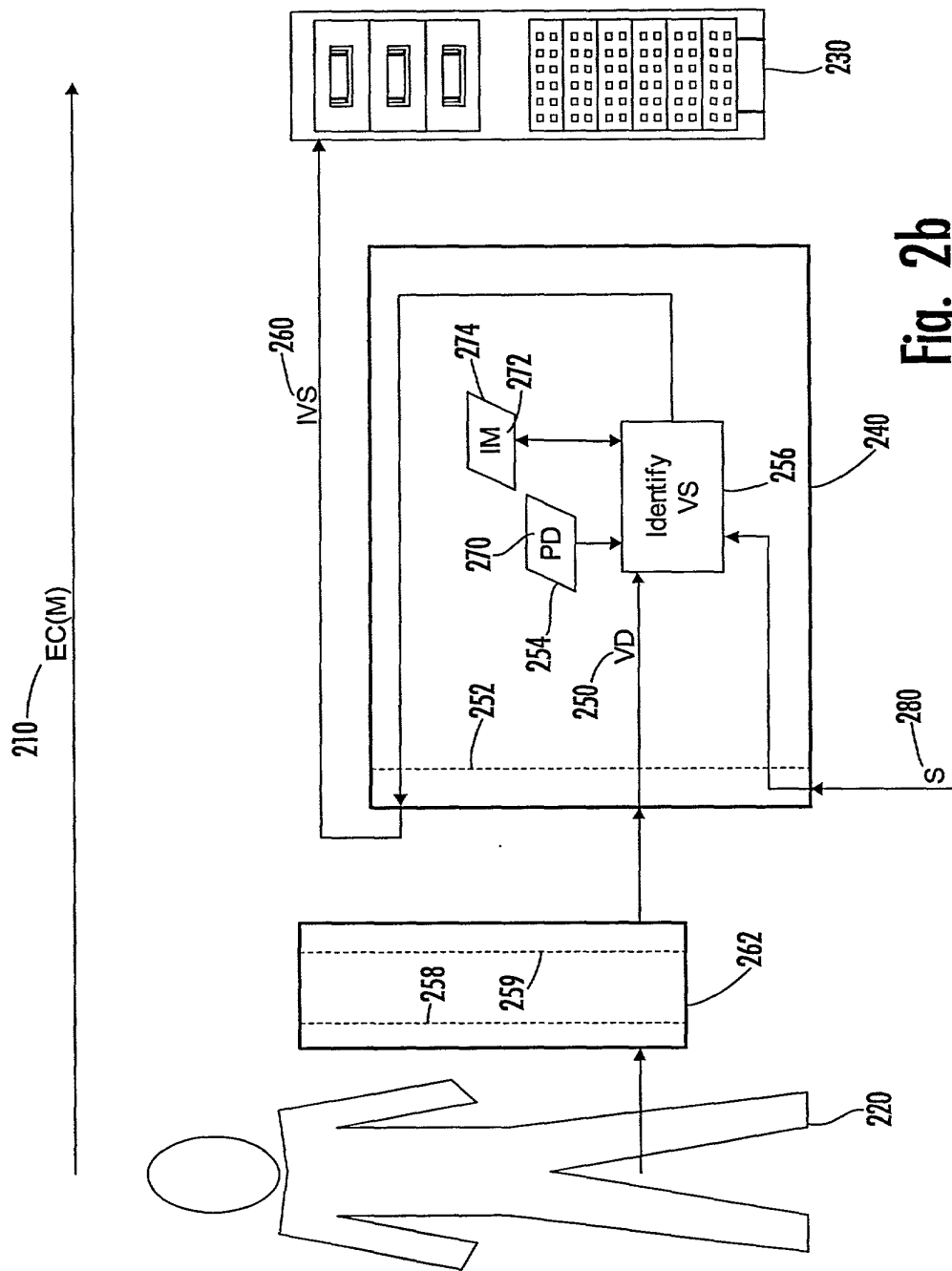


Fig. 2b

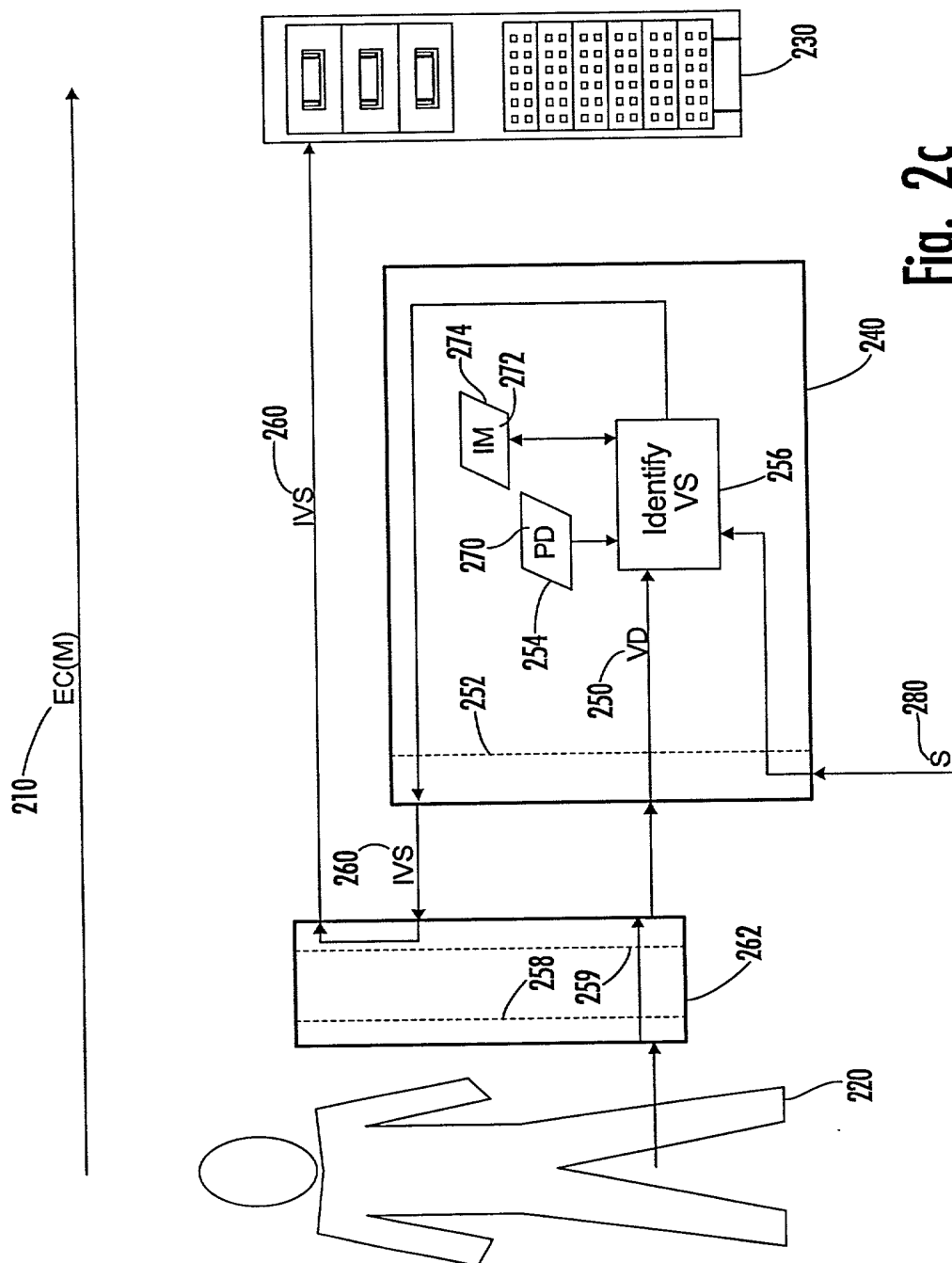
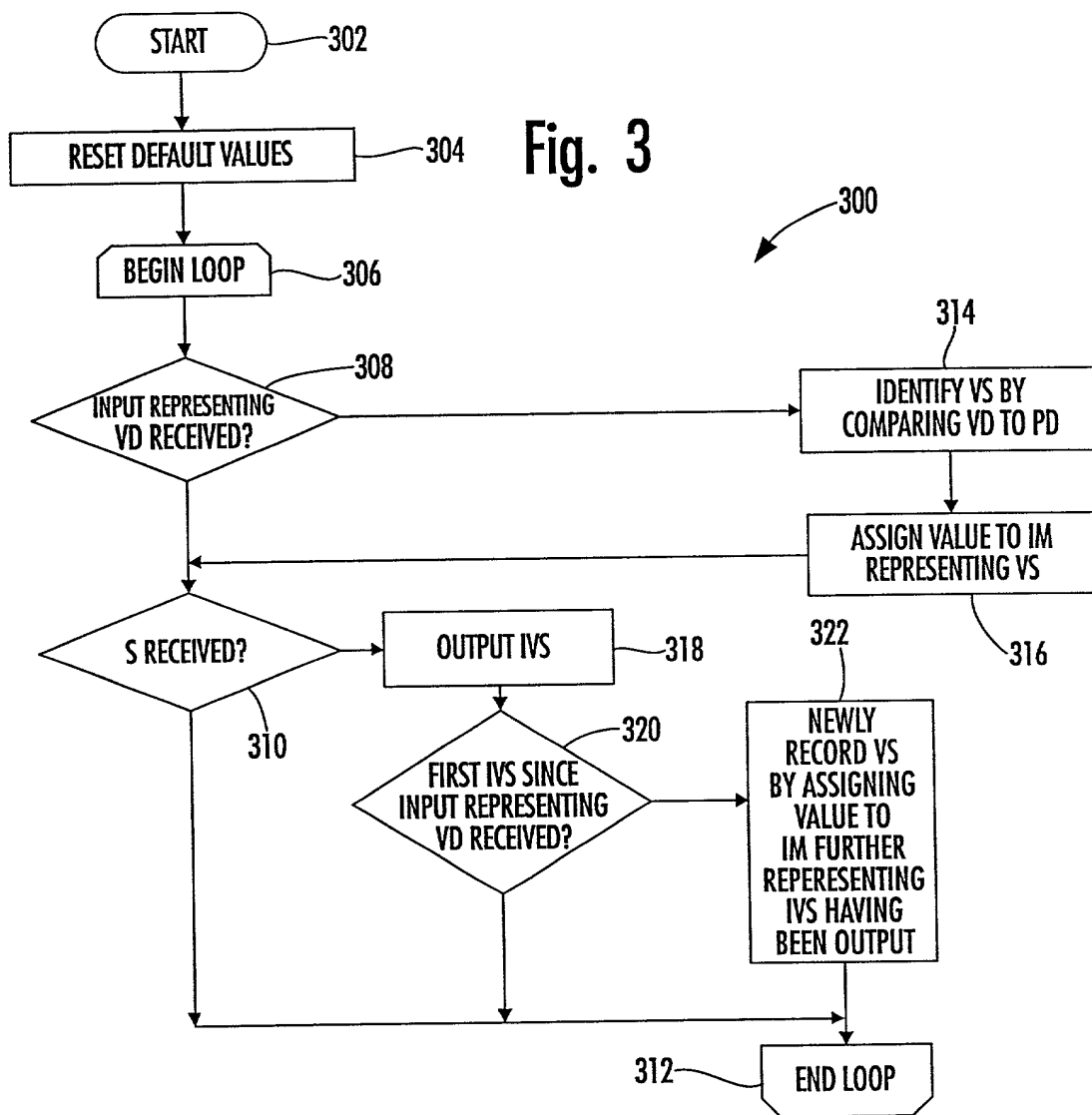


Fig. 2c



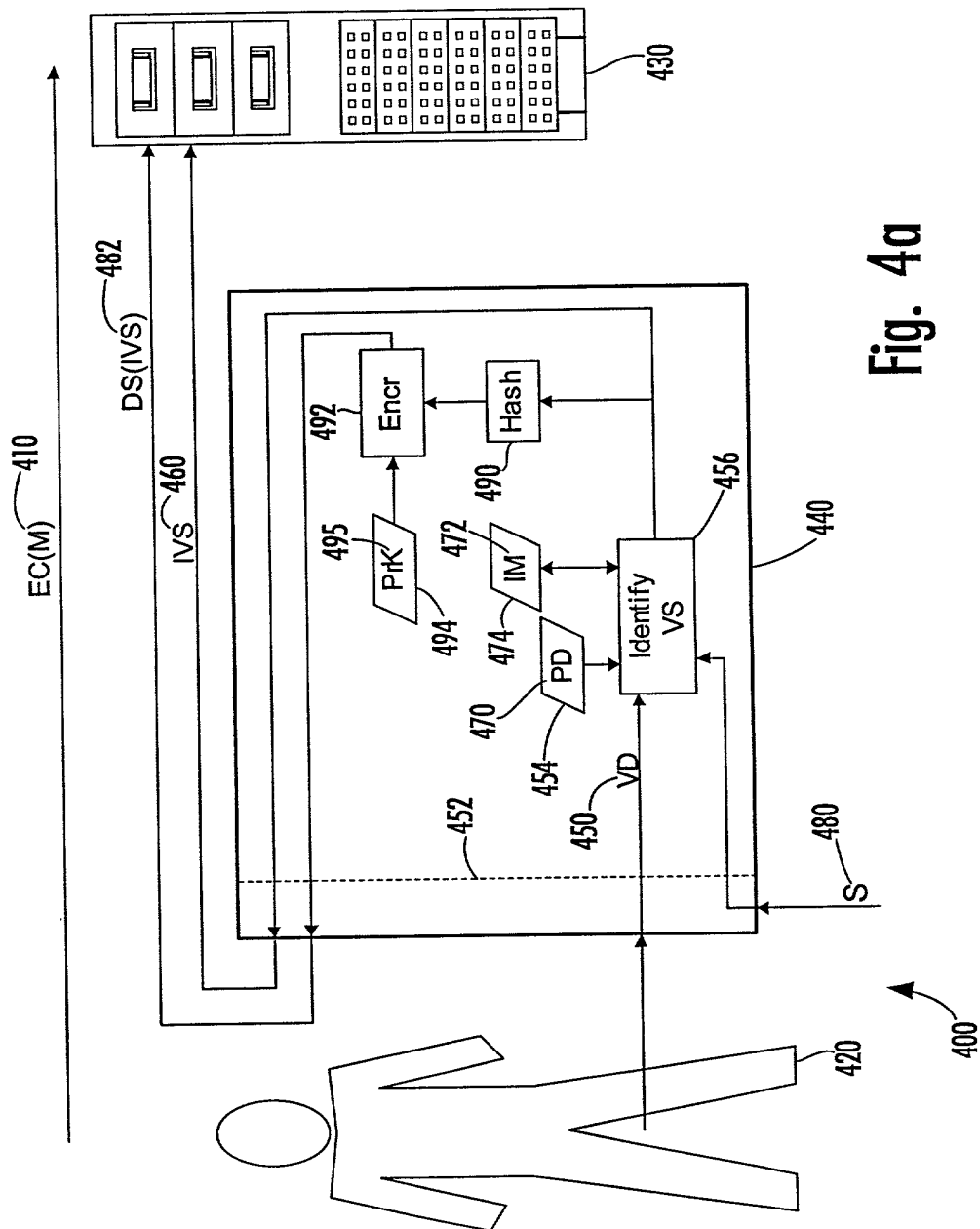


Fig. 4a

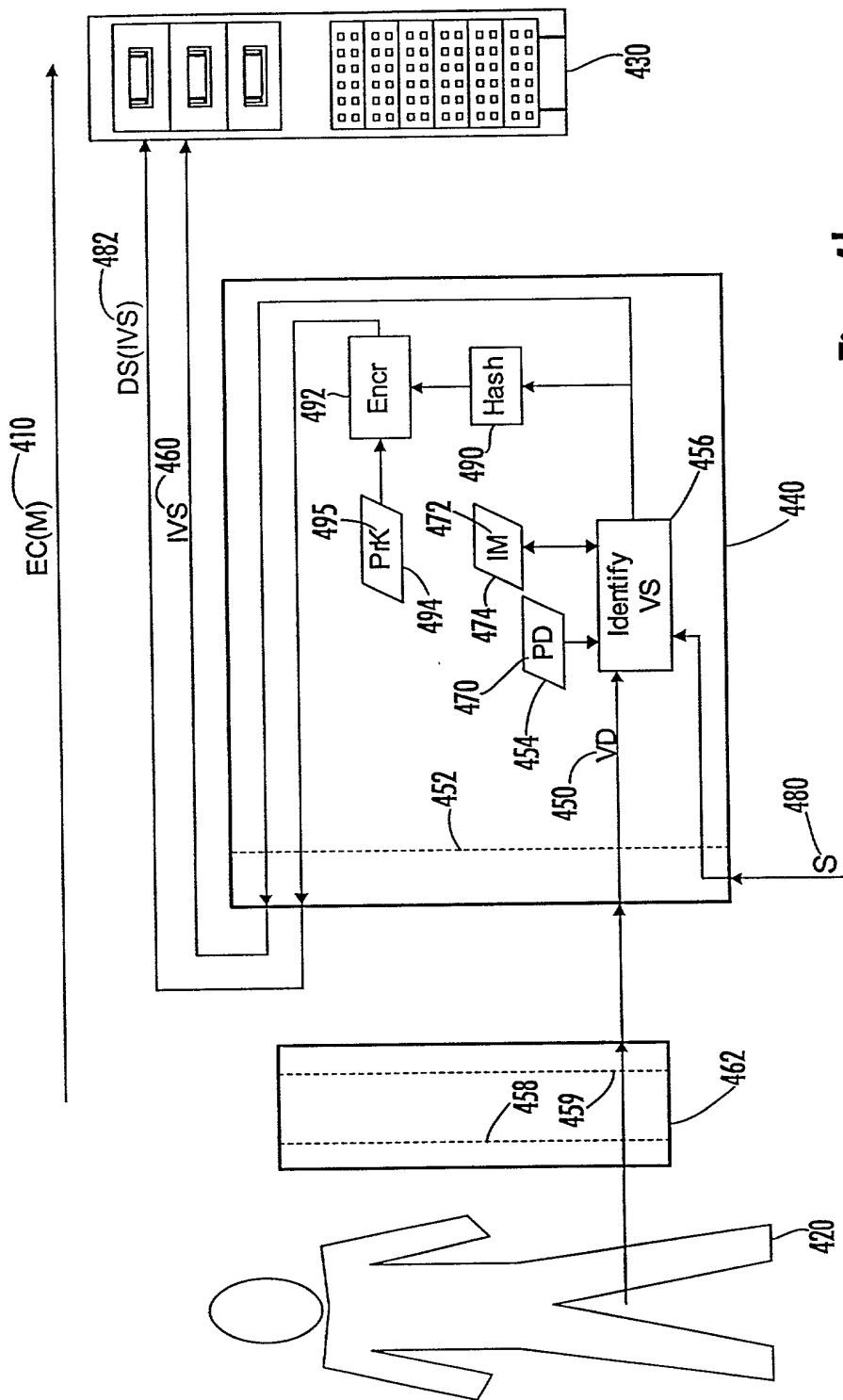


Fig. 4b

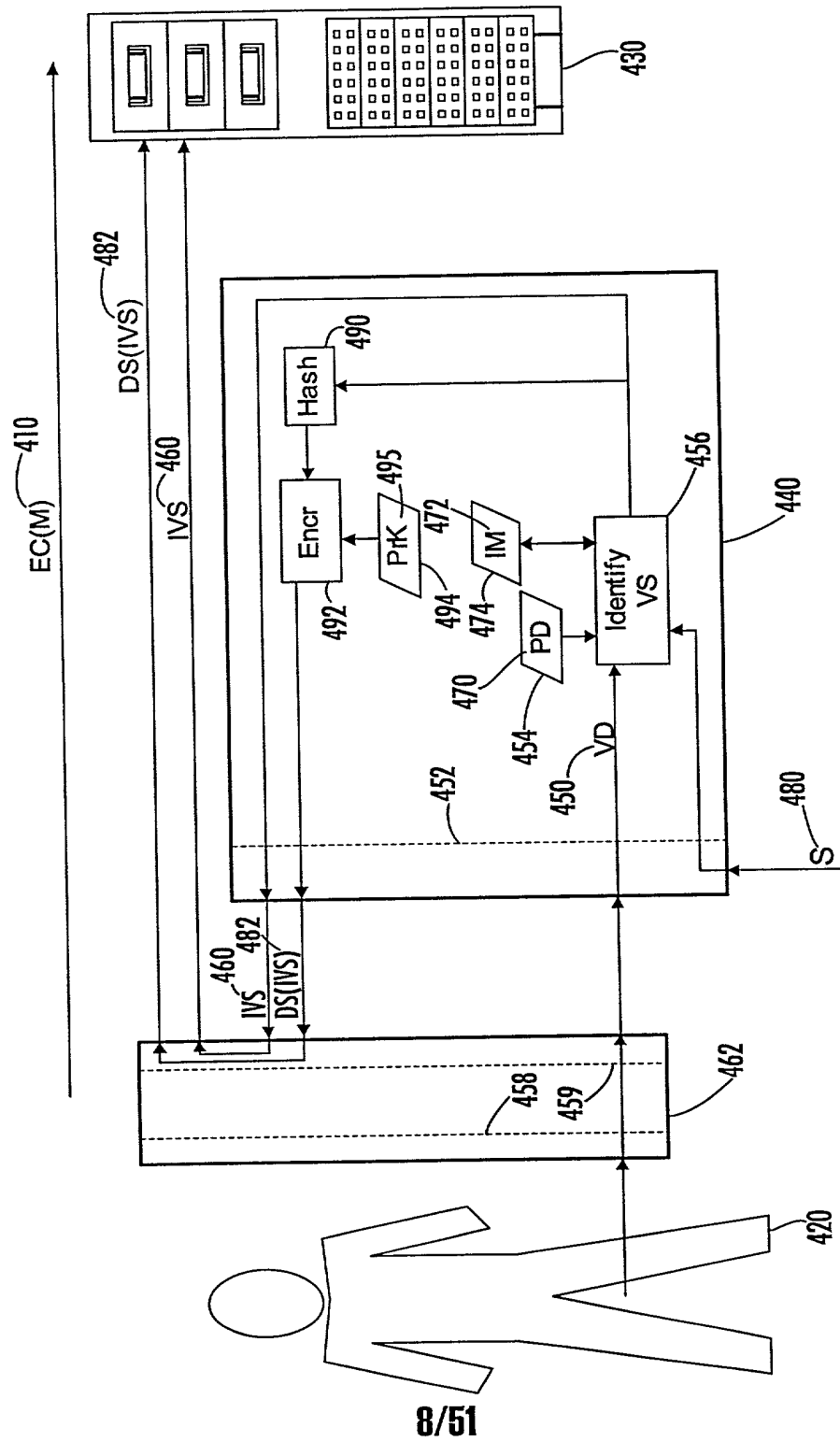
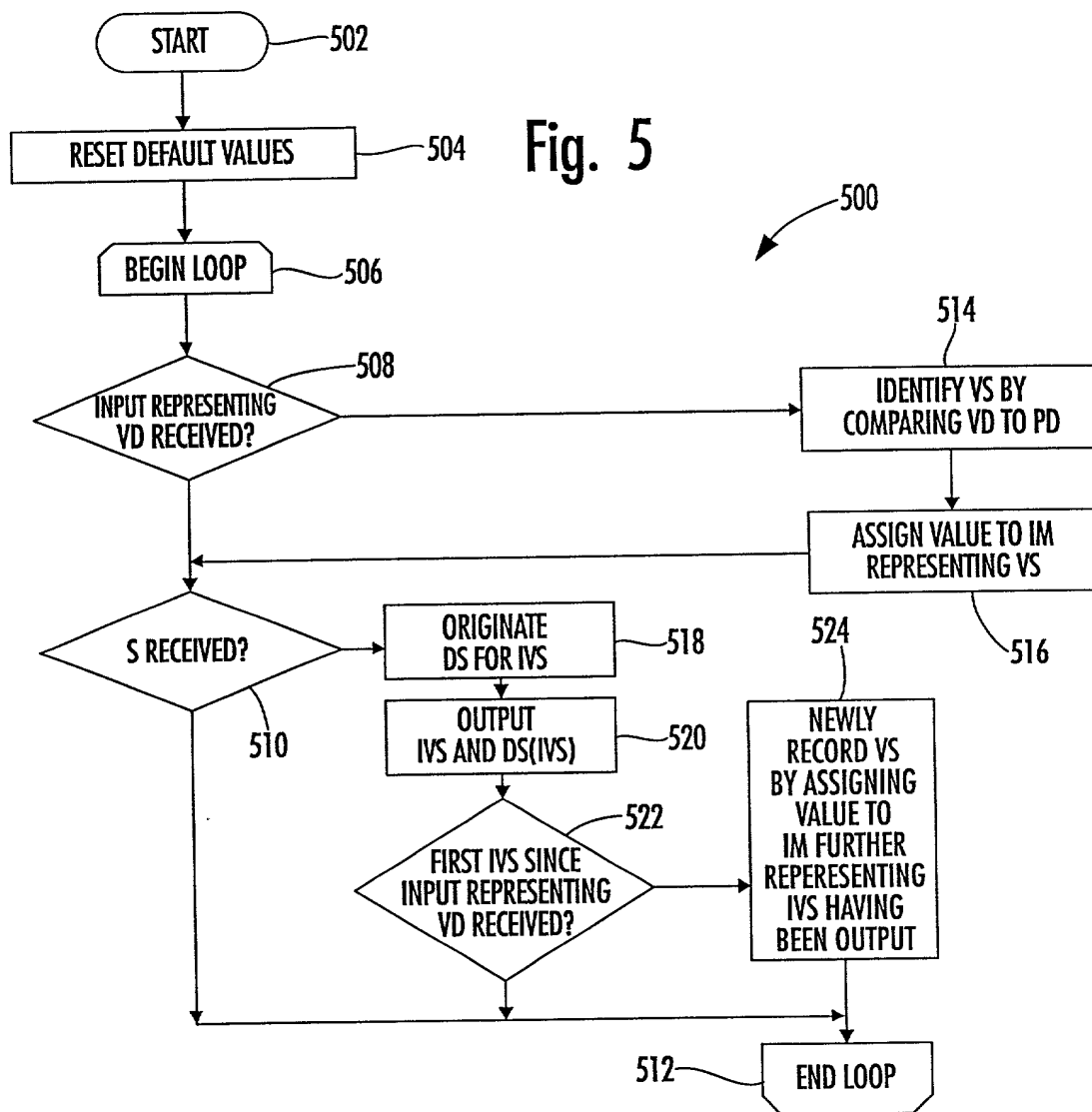


Fig. 4c



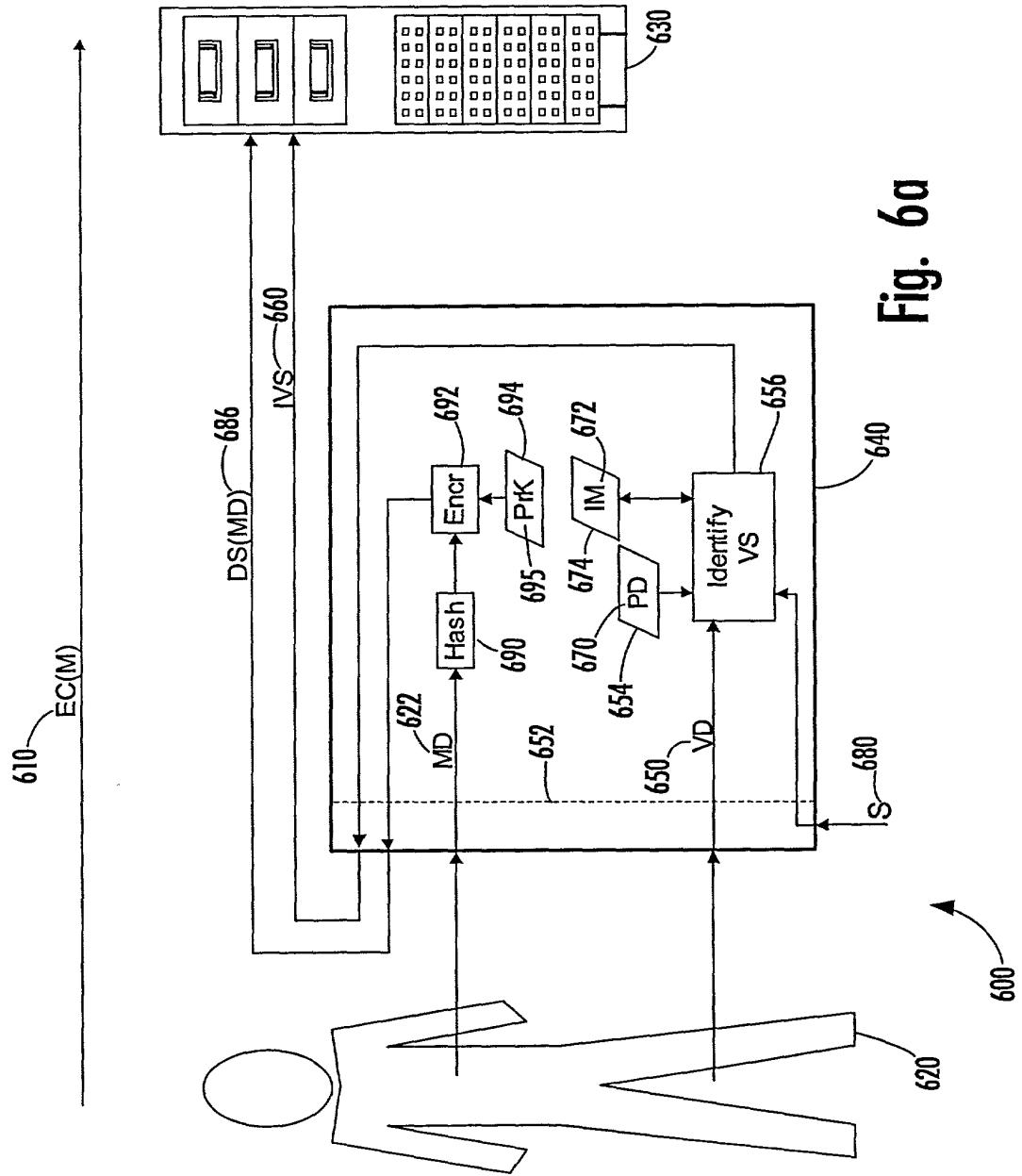


Fig. 6a

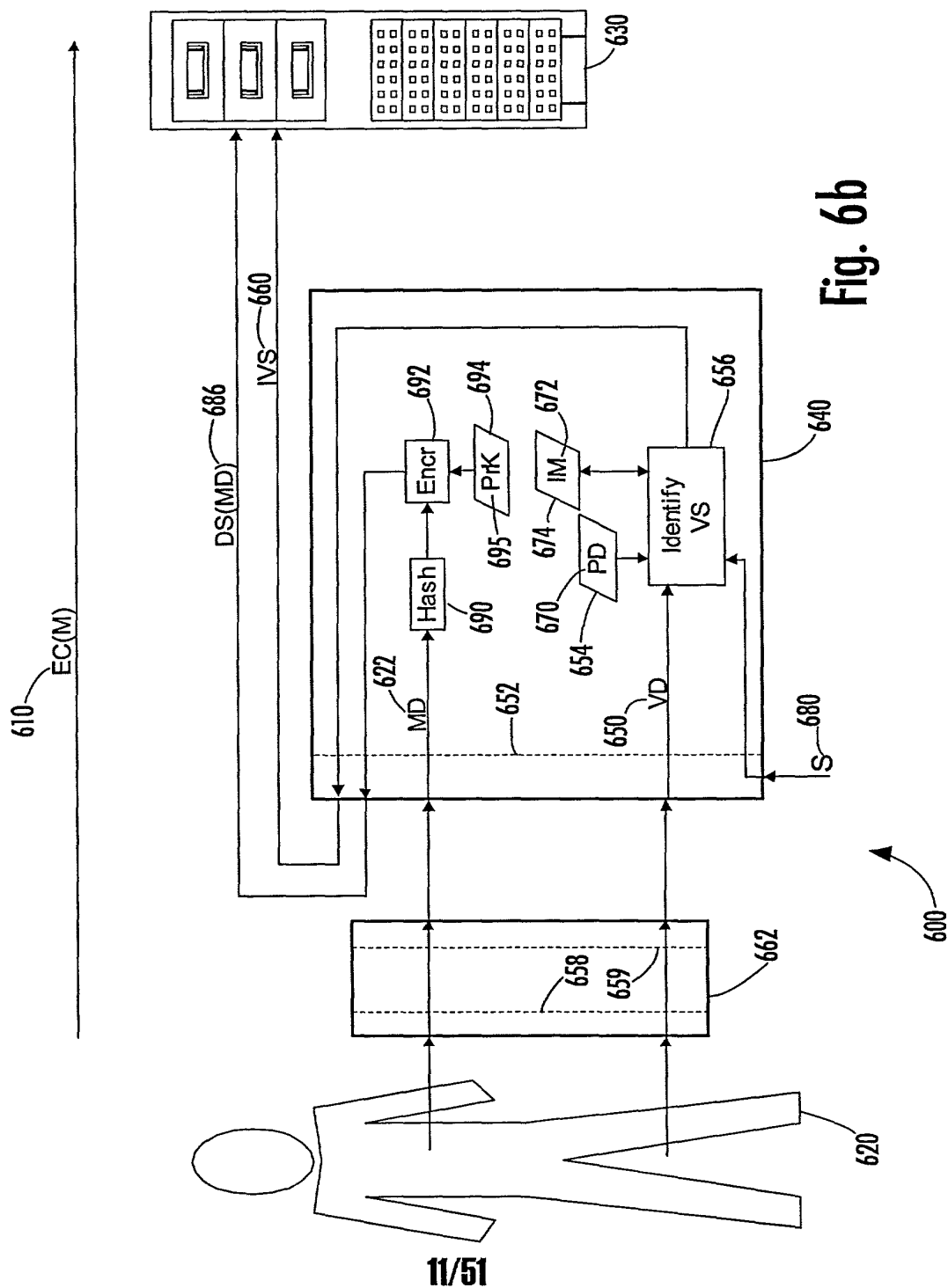
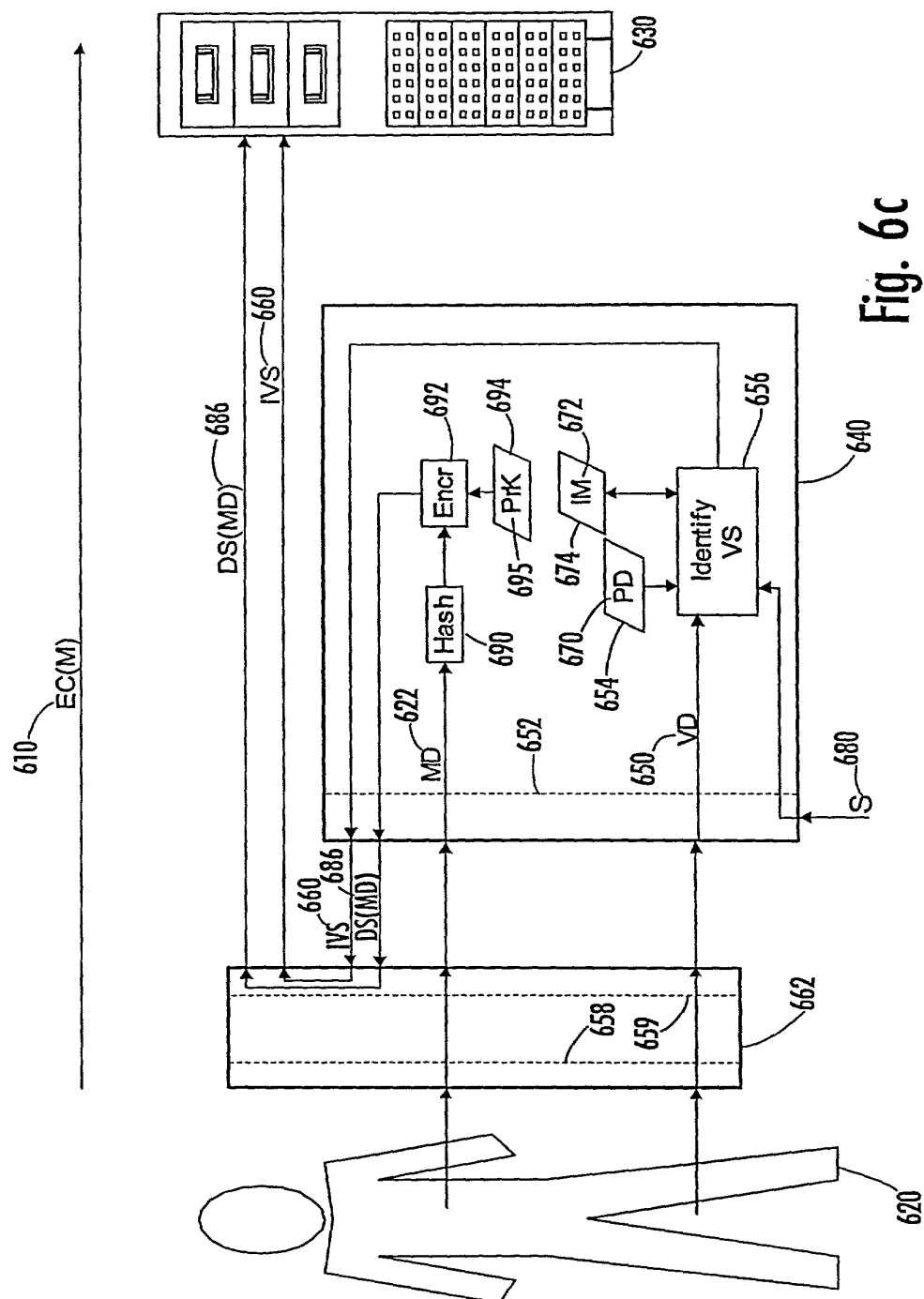
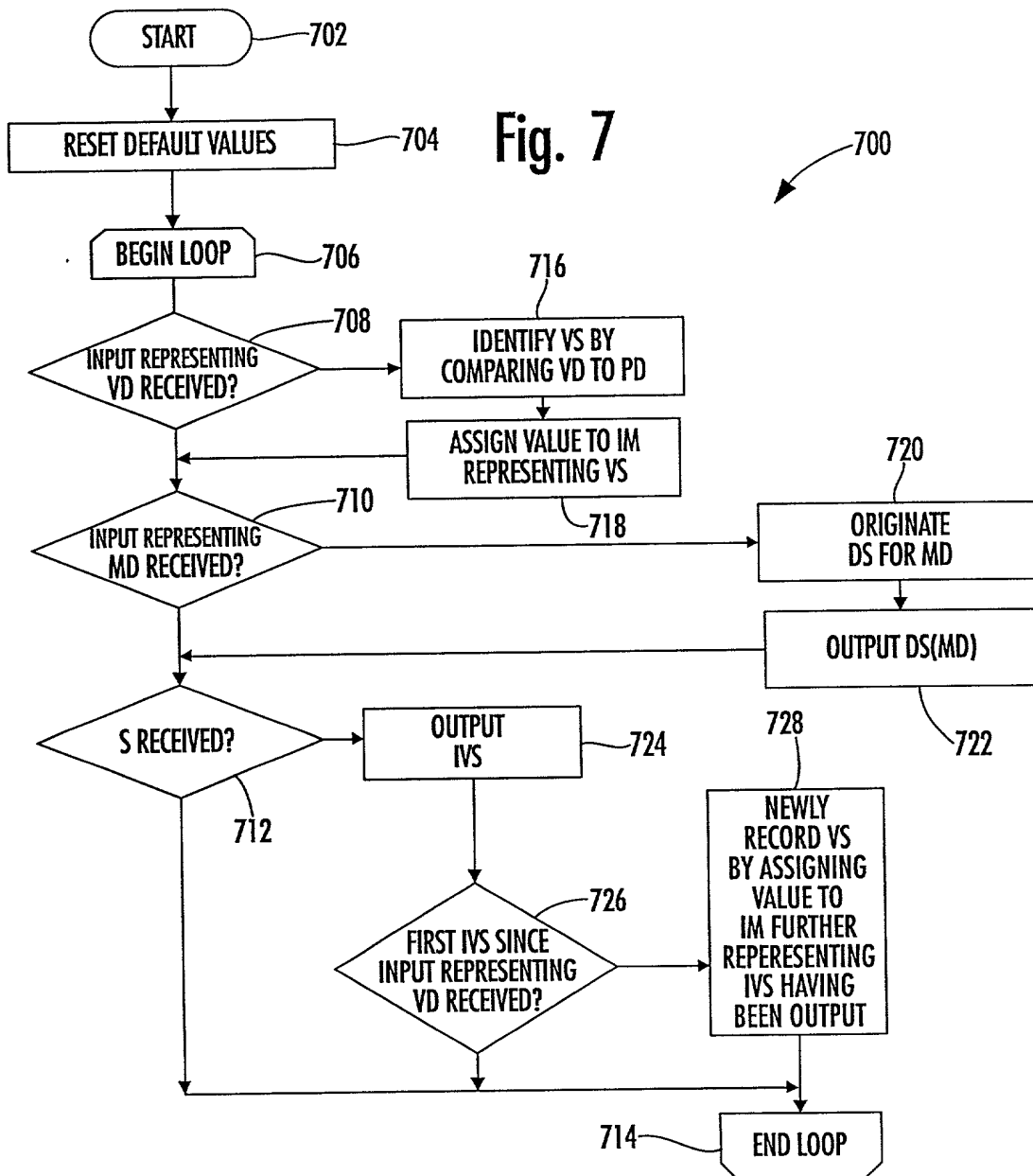


Fig. 6b

1. The first group of people who are interested in the study of the history of the United States are the people who are interested in the history of the United States.





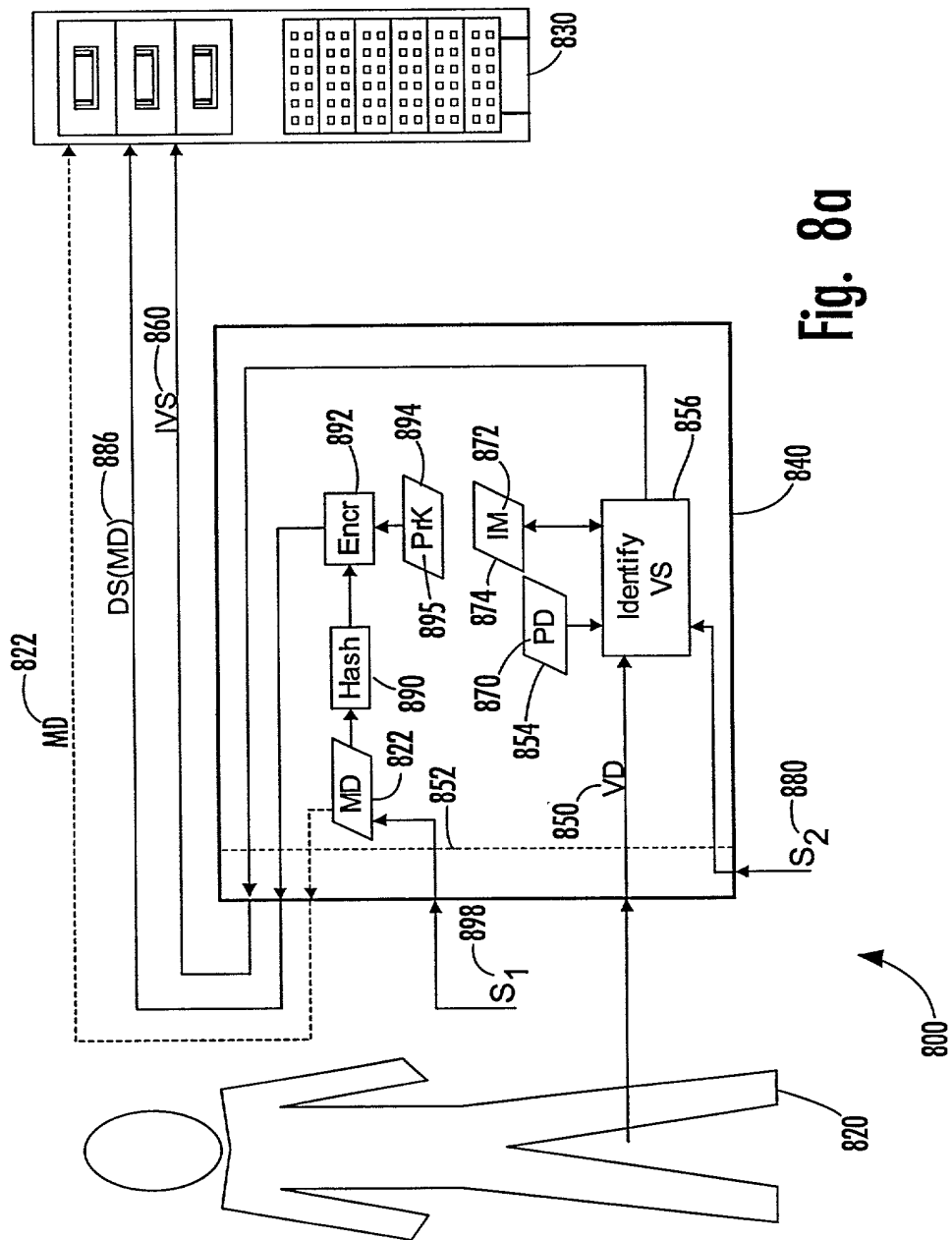


Fig. 8a

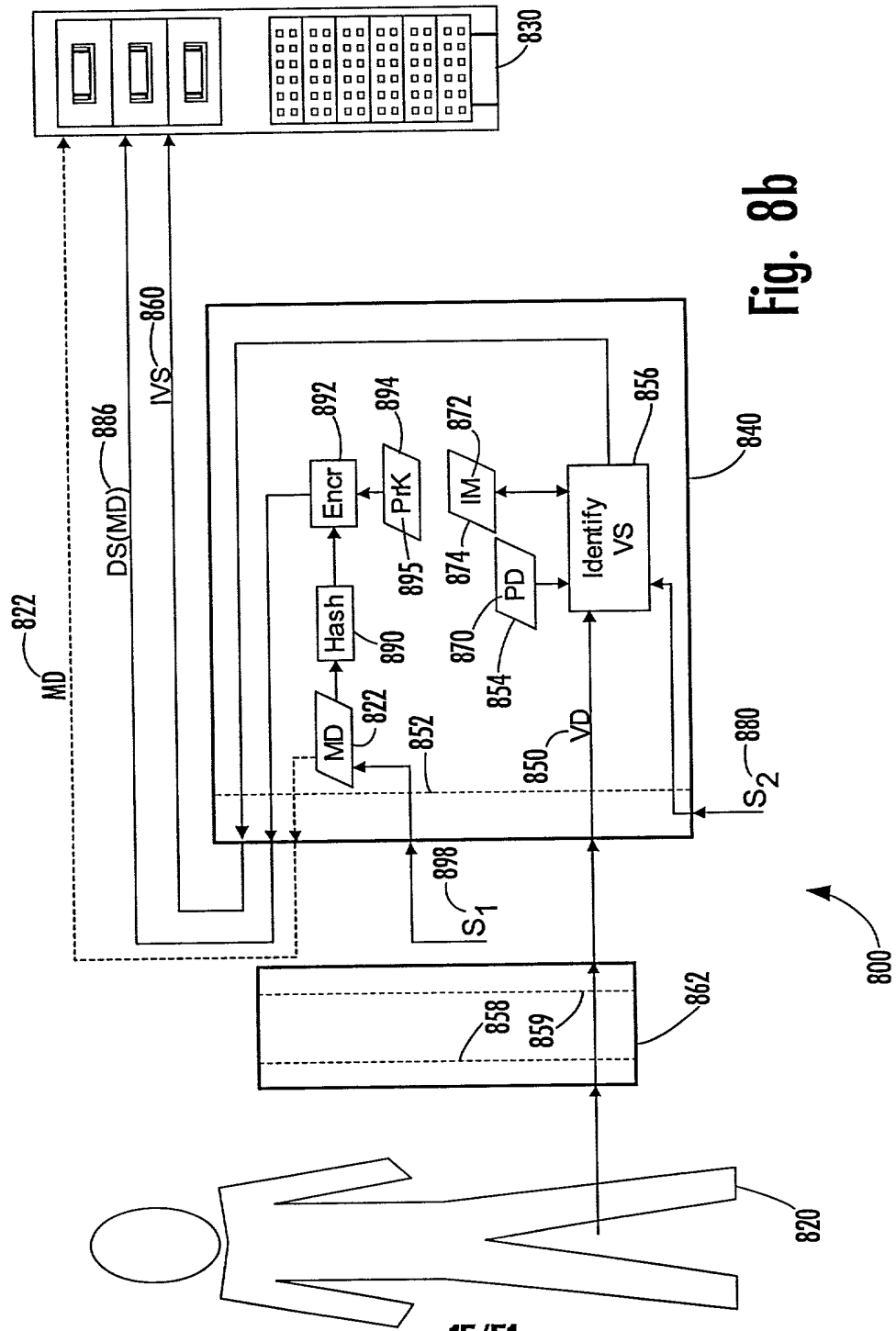


Fig. 8b

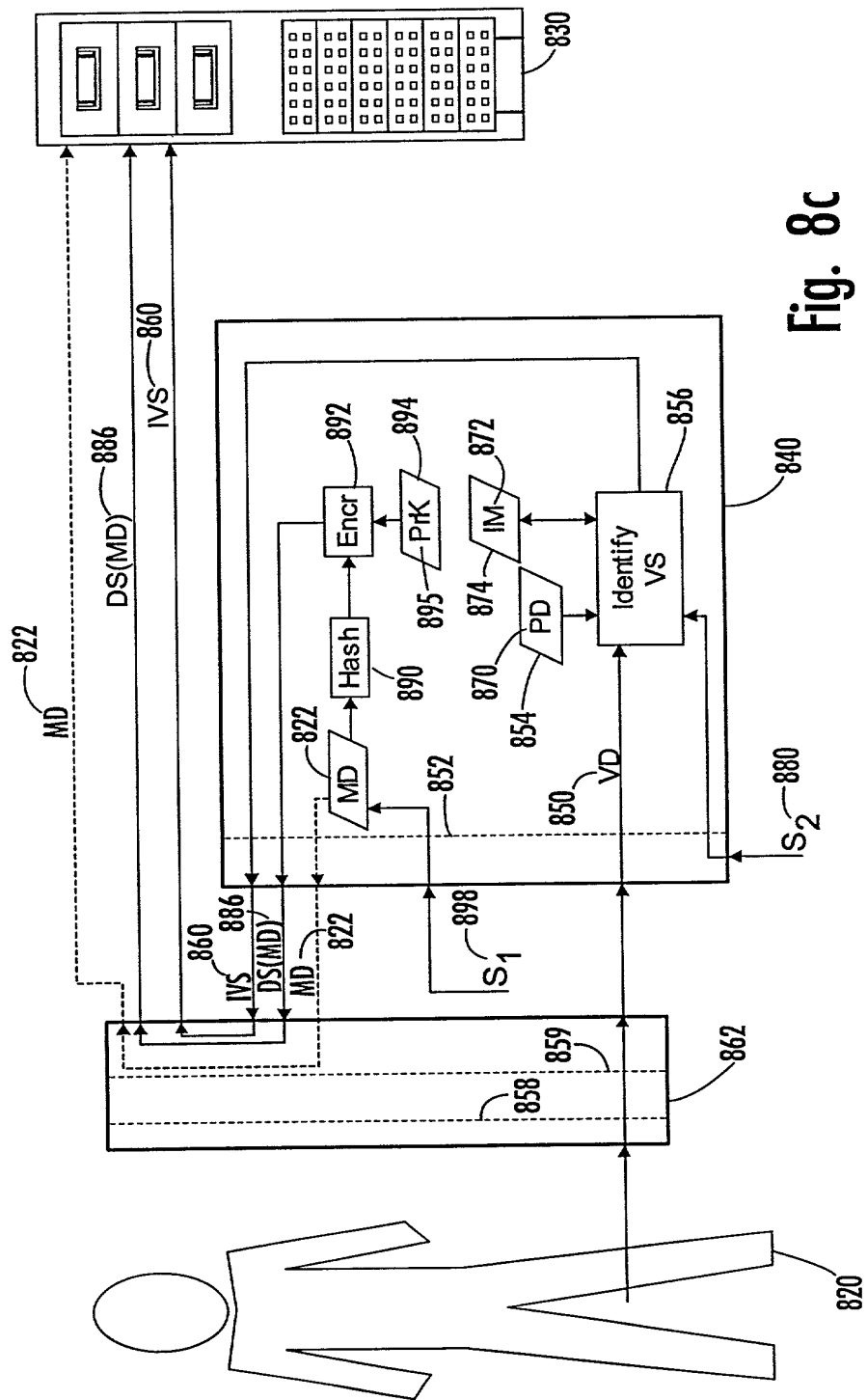


Fig. 8c

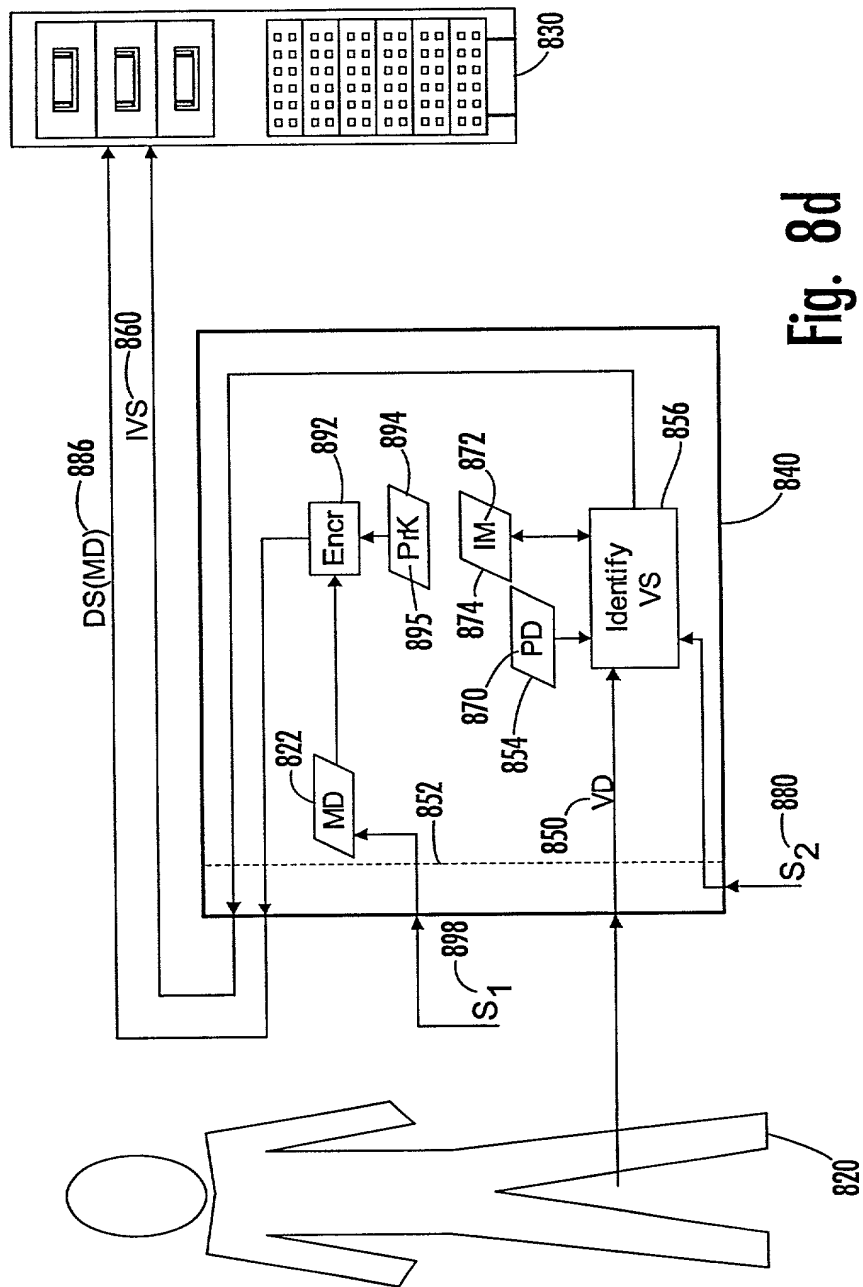
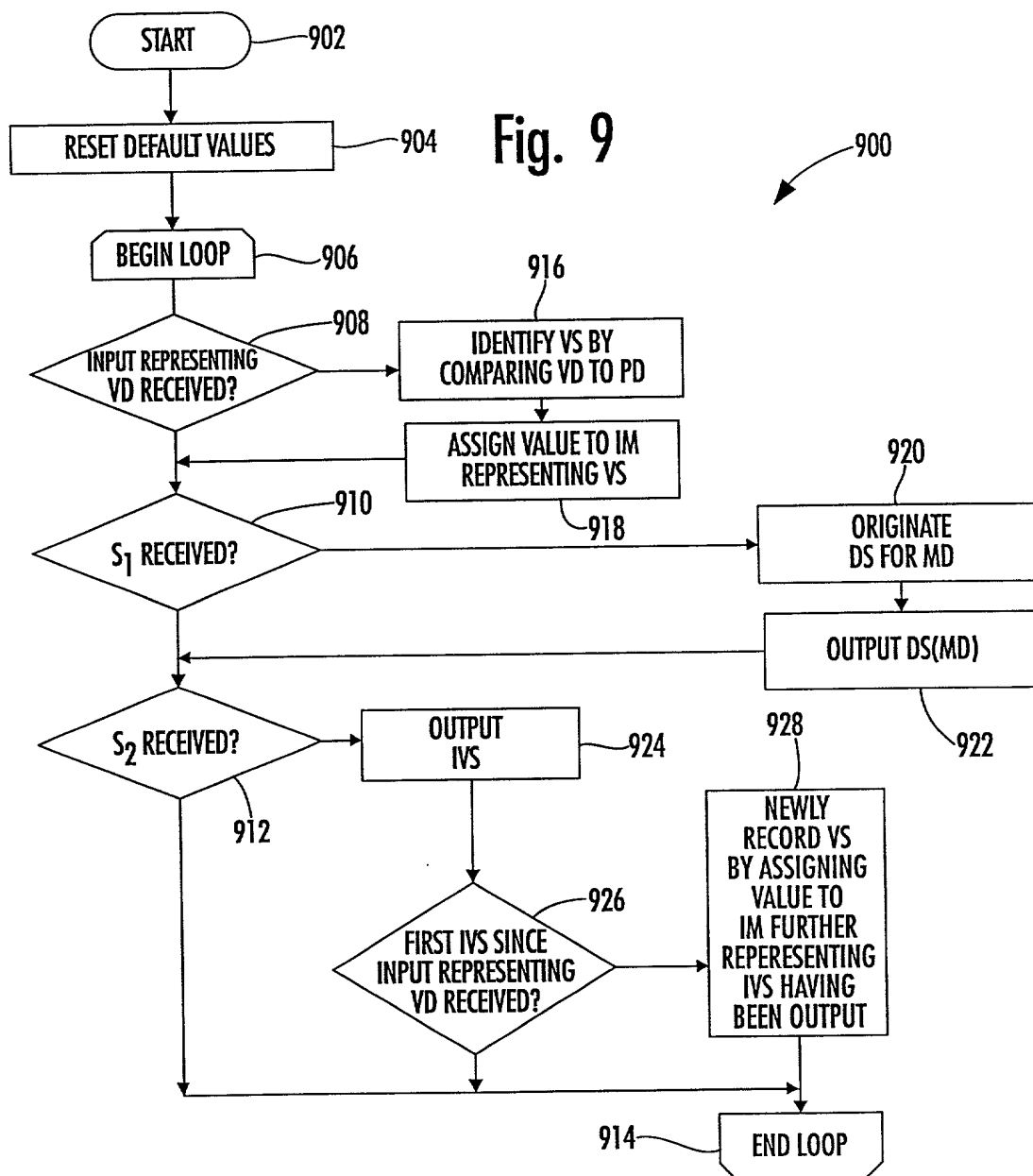


Fig. 8d



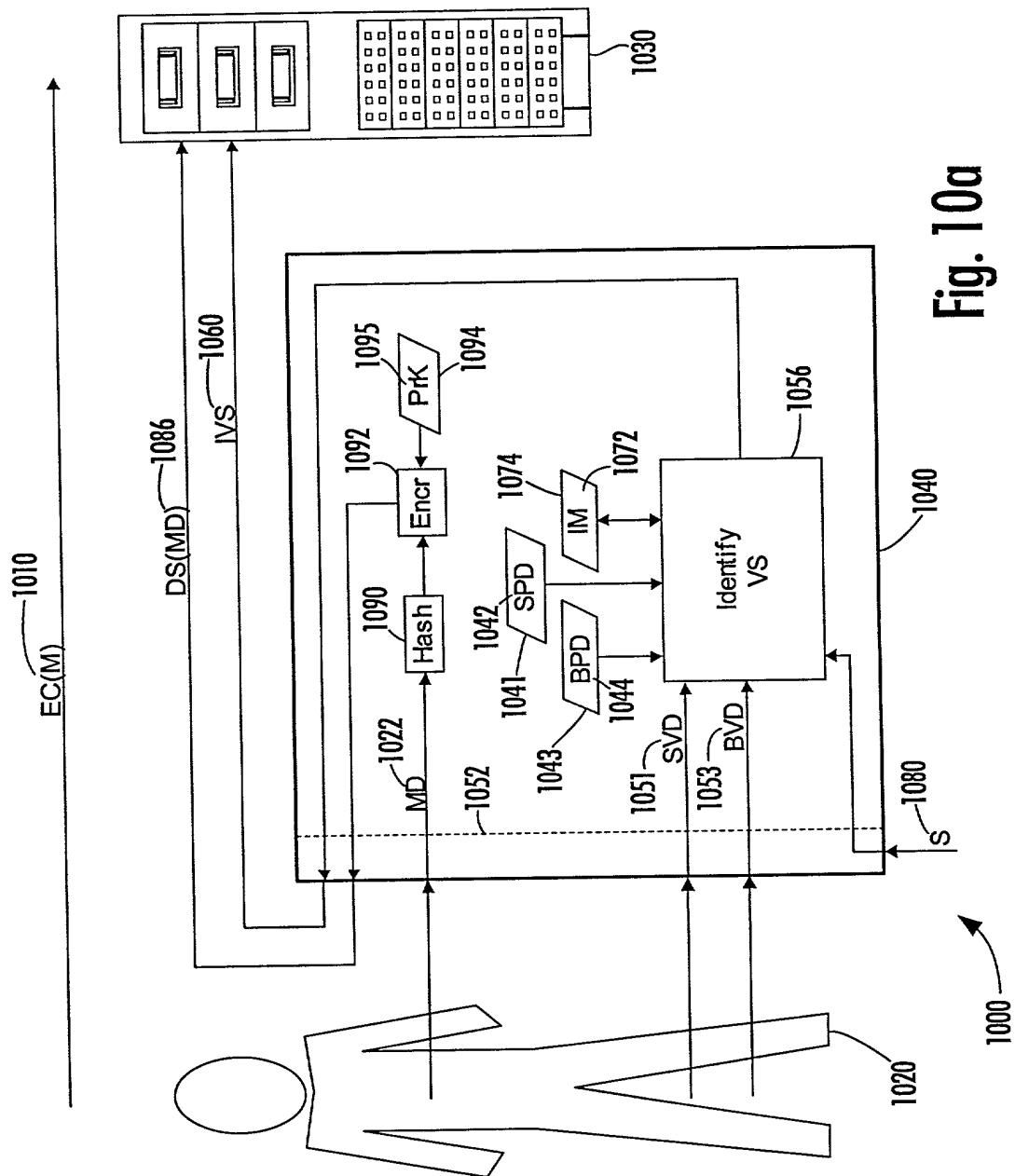


Fig. 10a

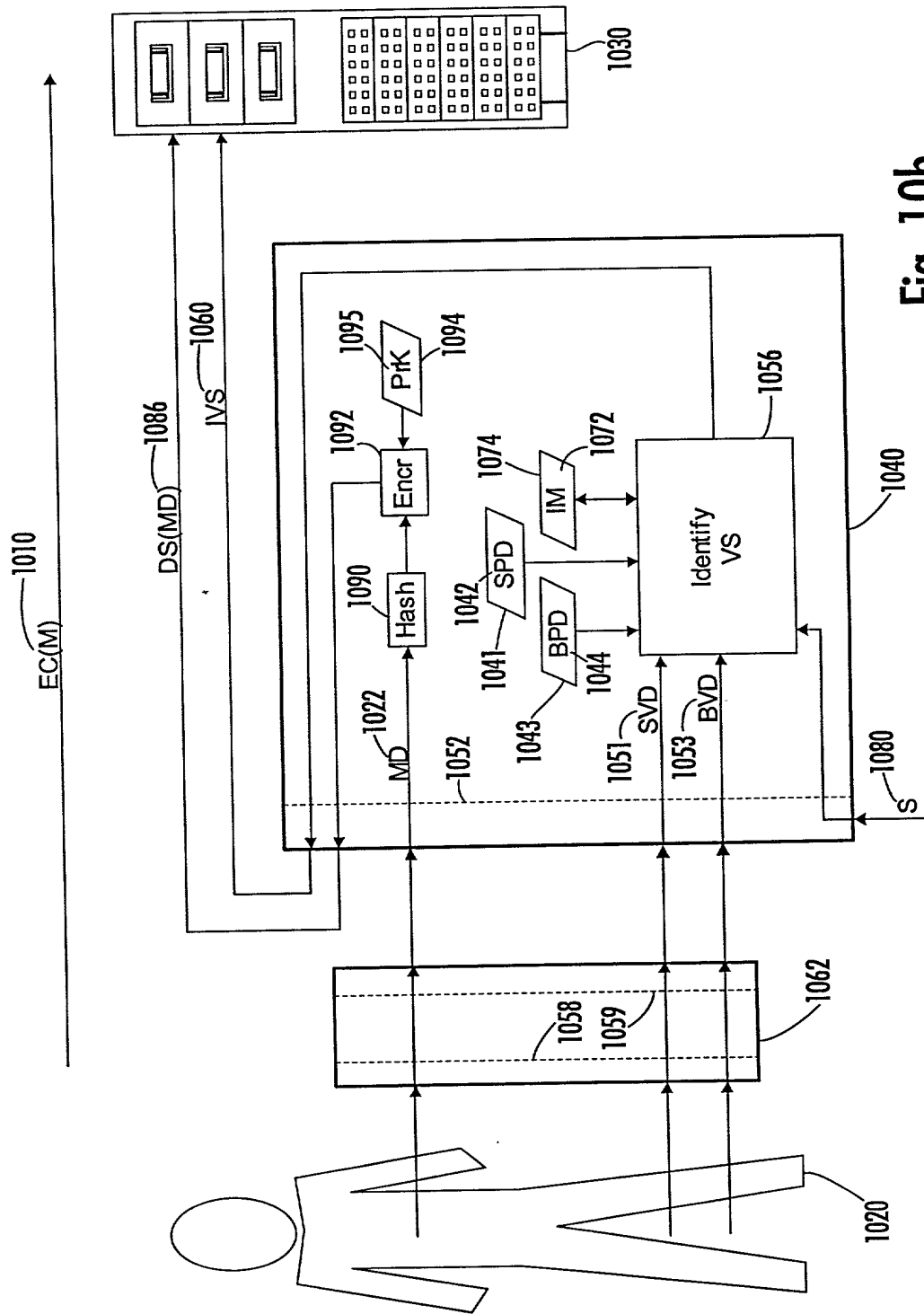


Fig. 10b

c

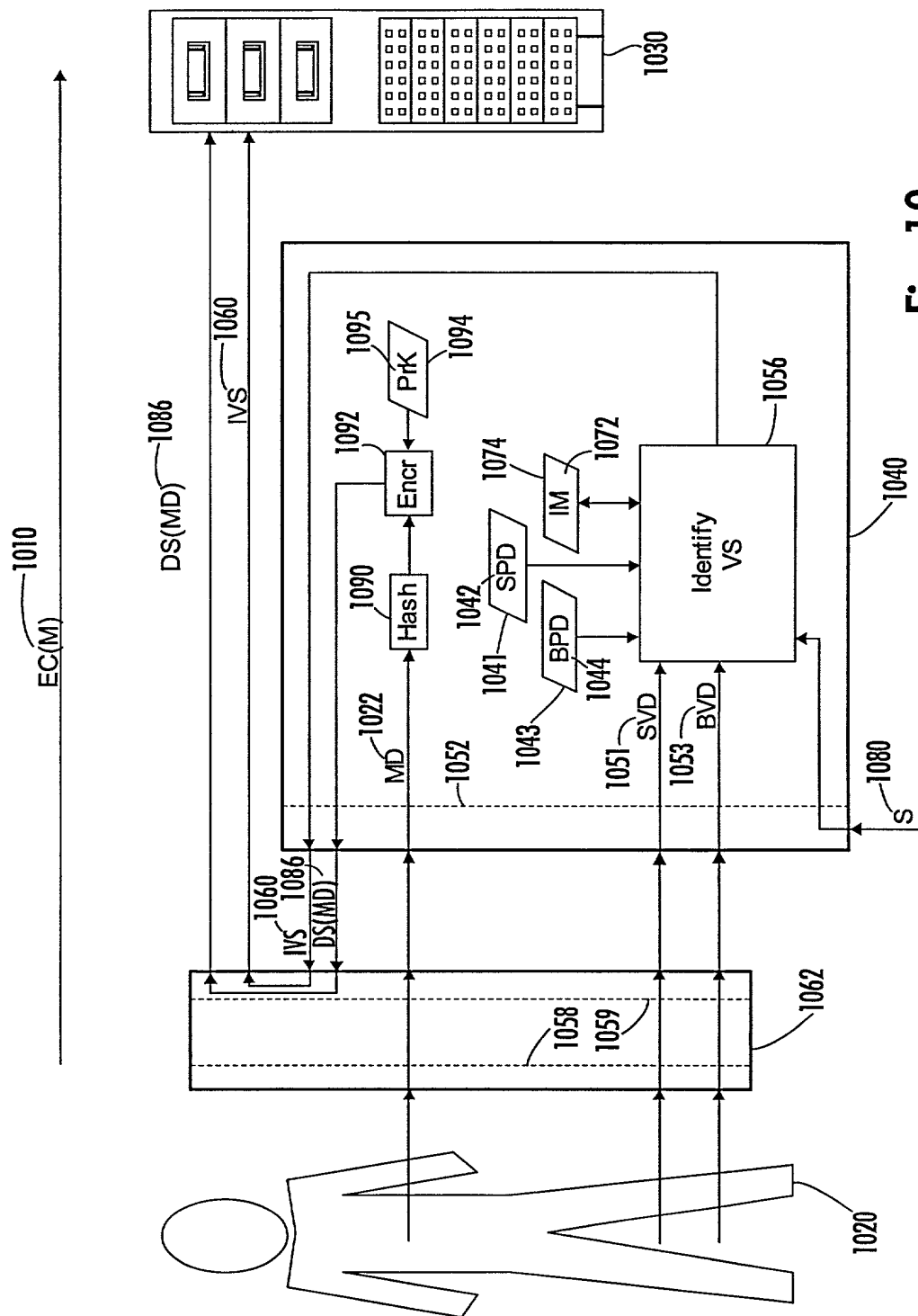
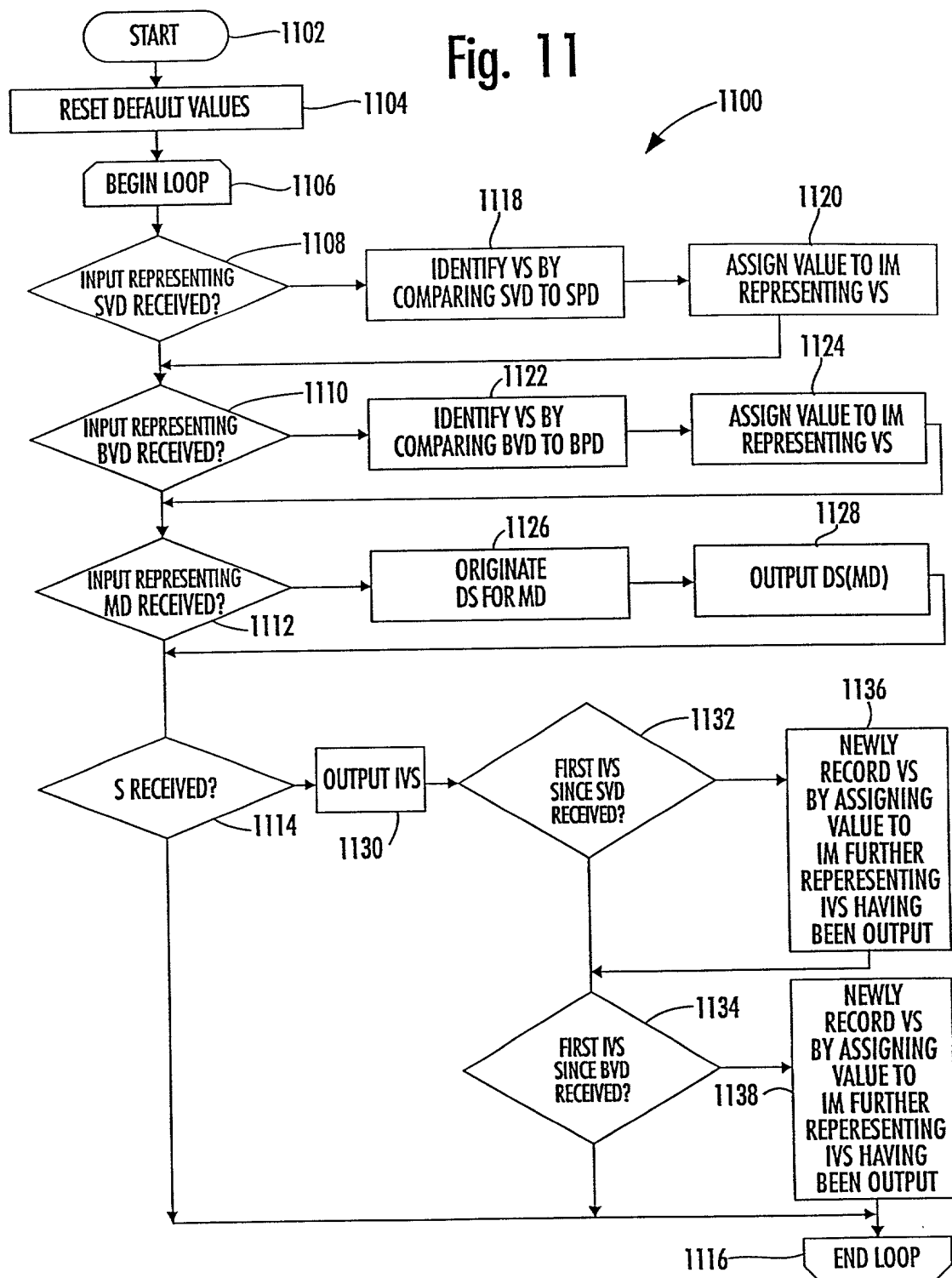


Fig. 10c

Fig. 11



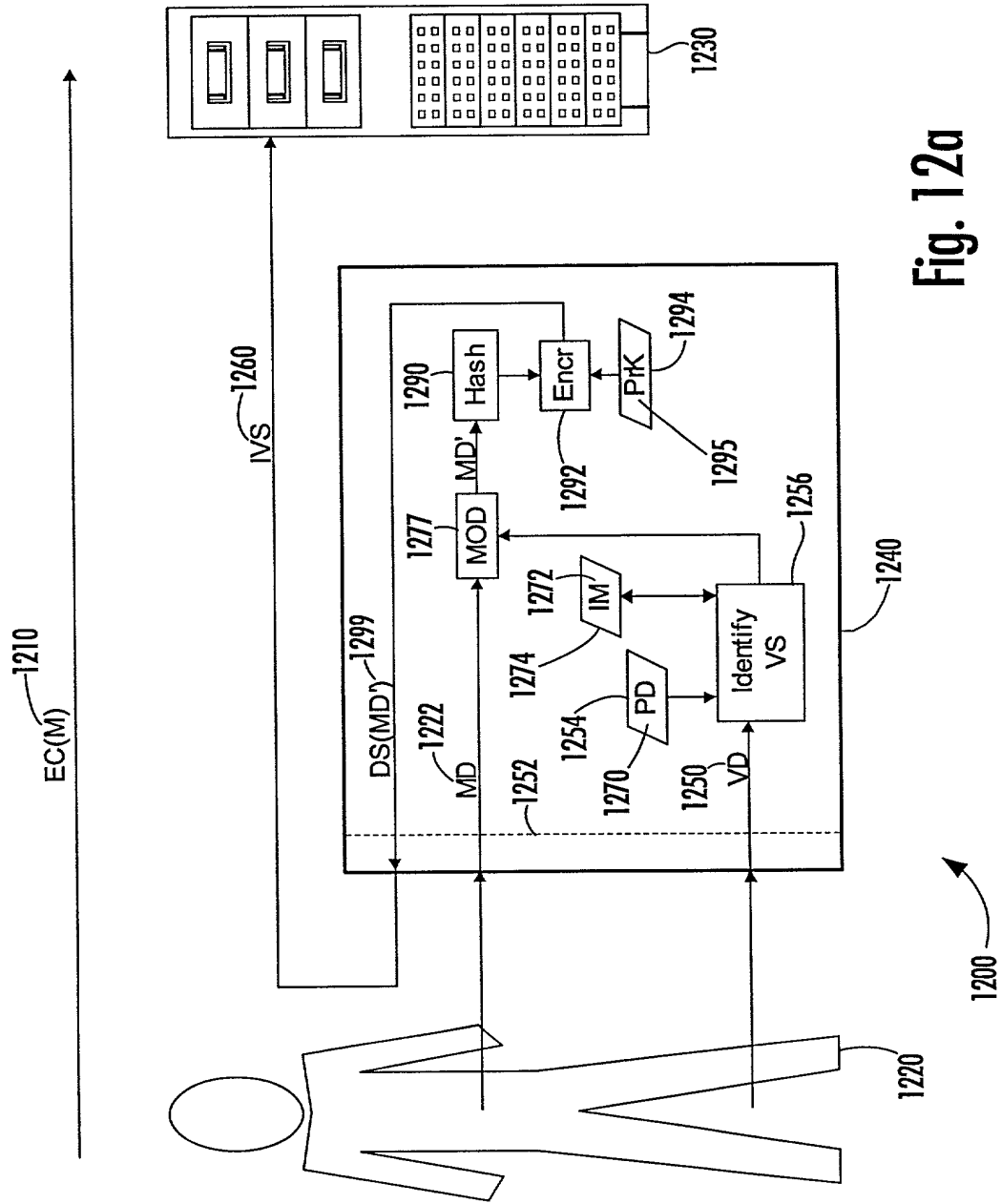
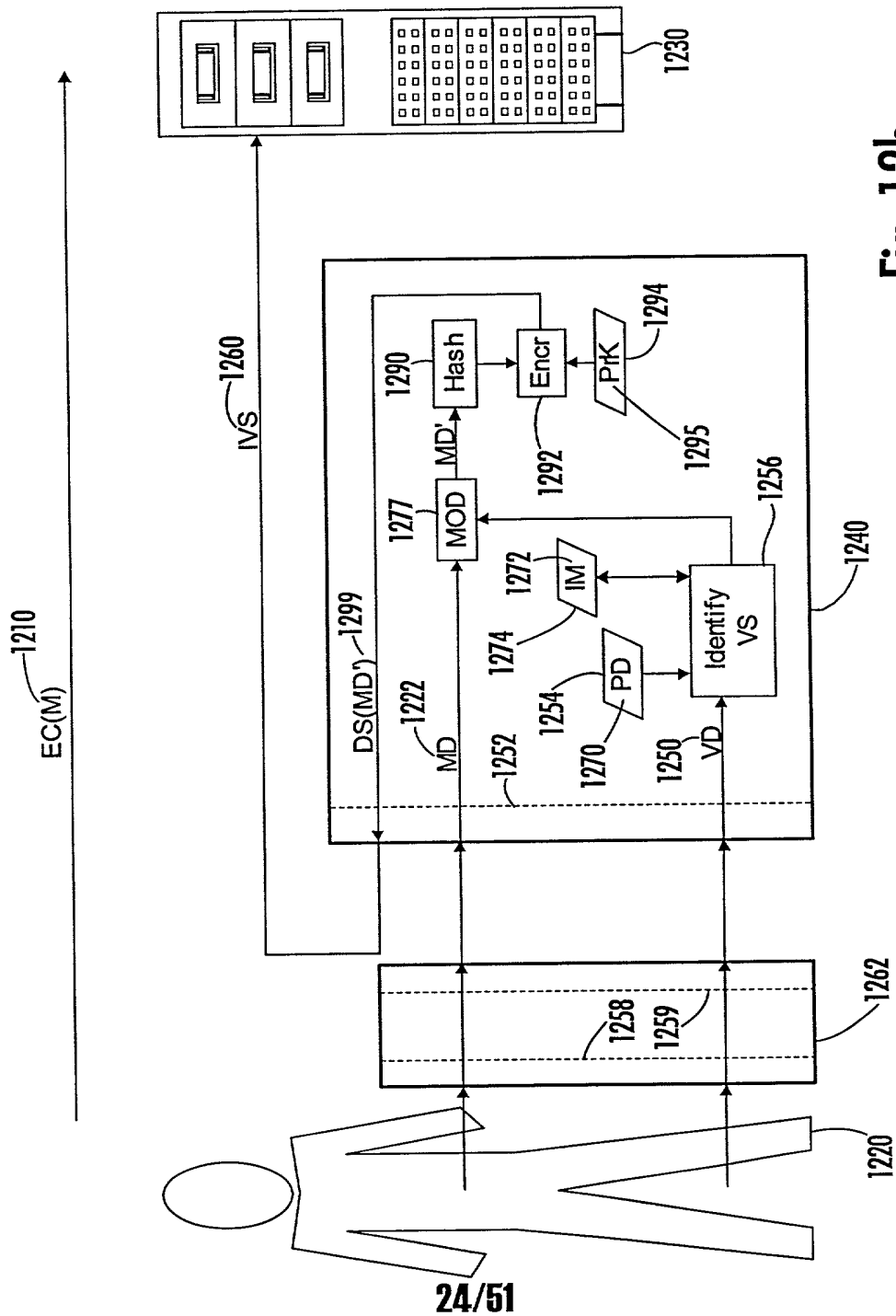
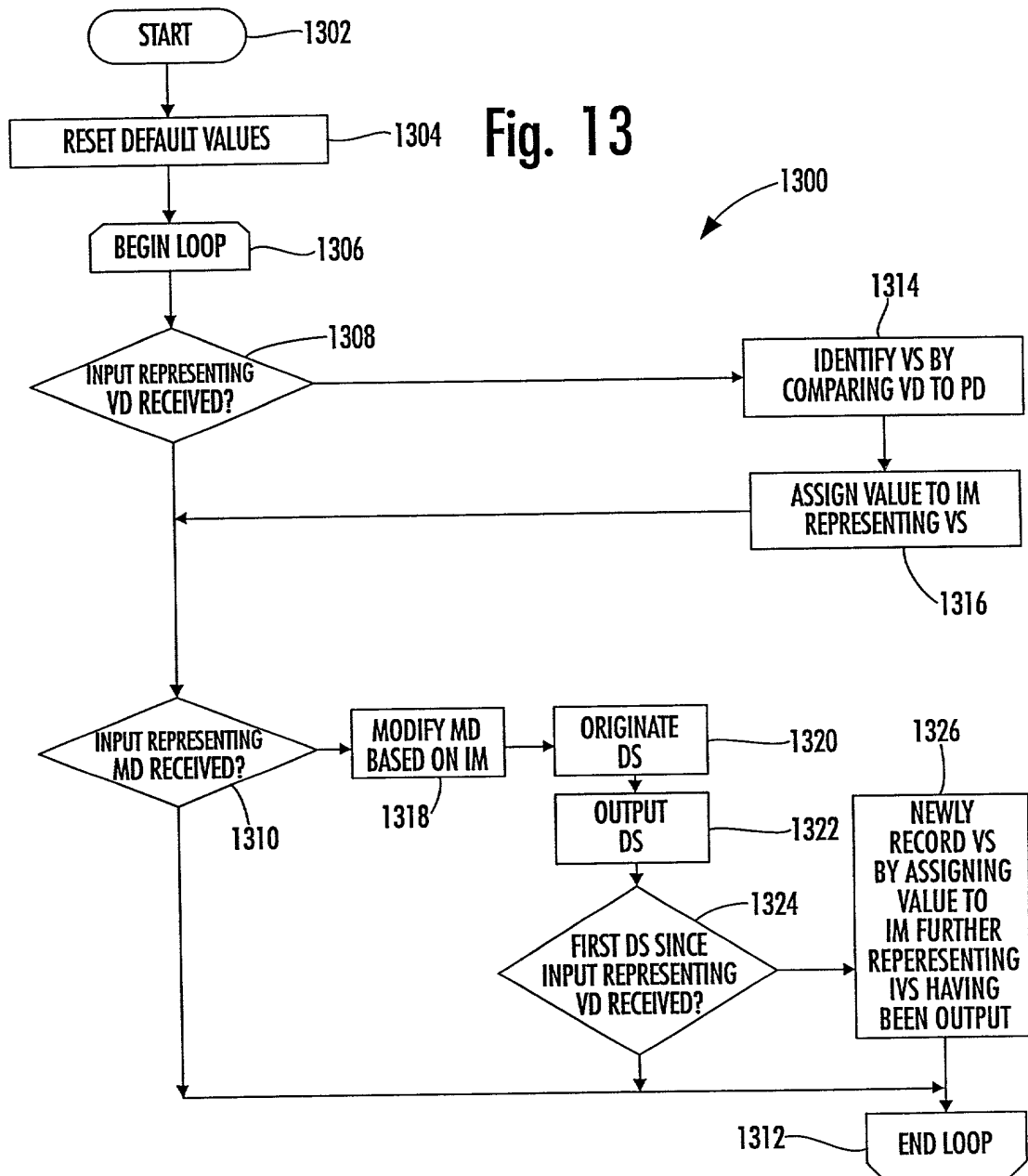


Fig. 12a





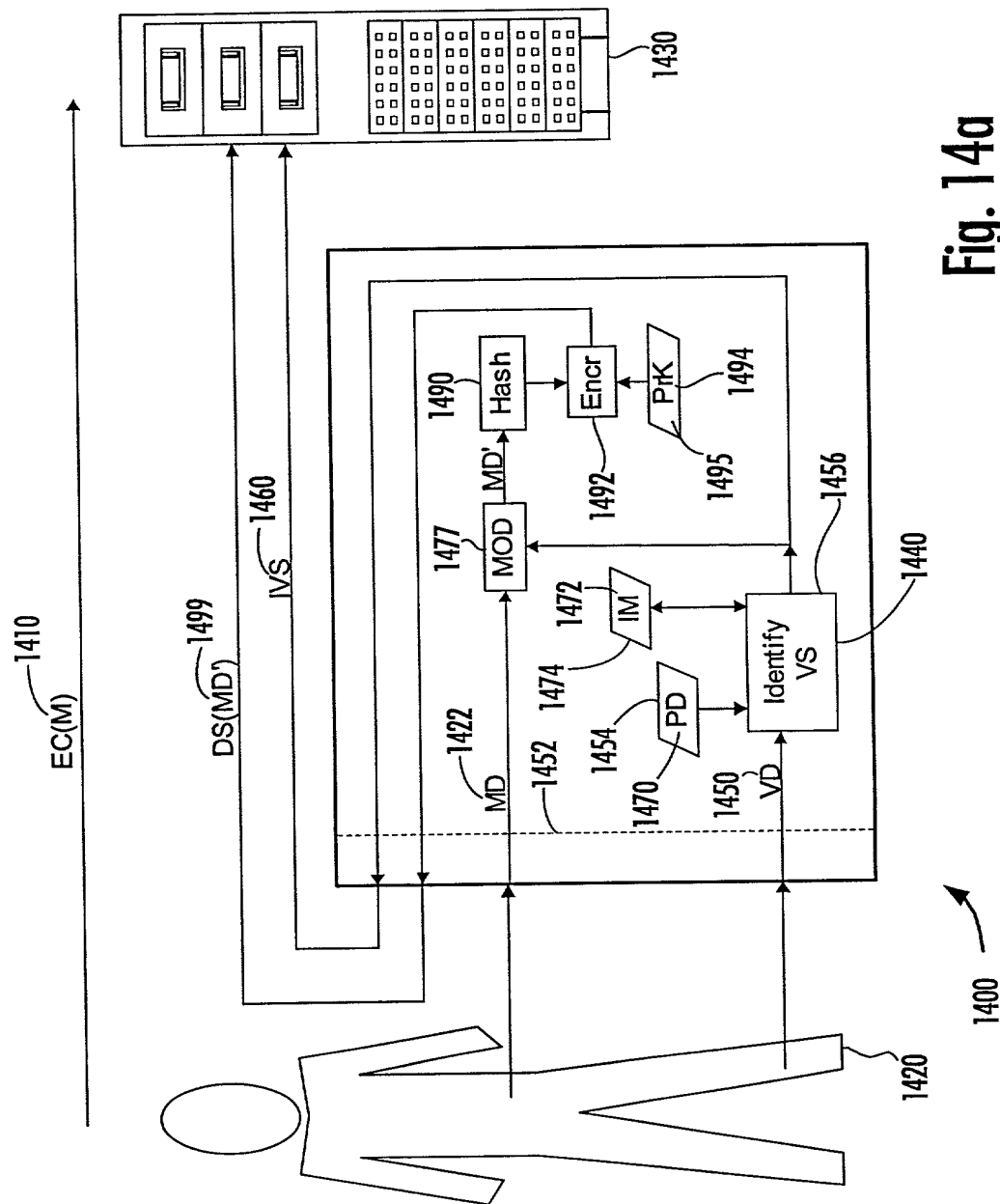


Fig. 14a

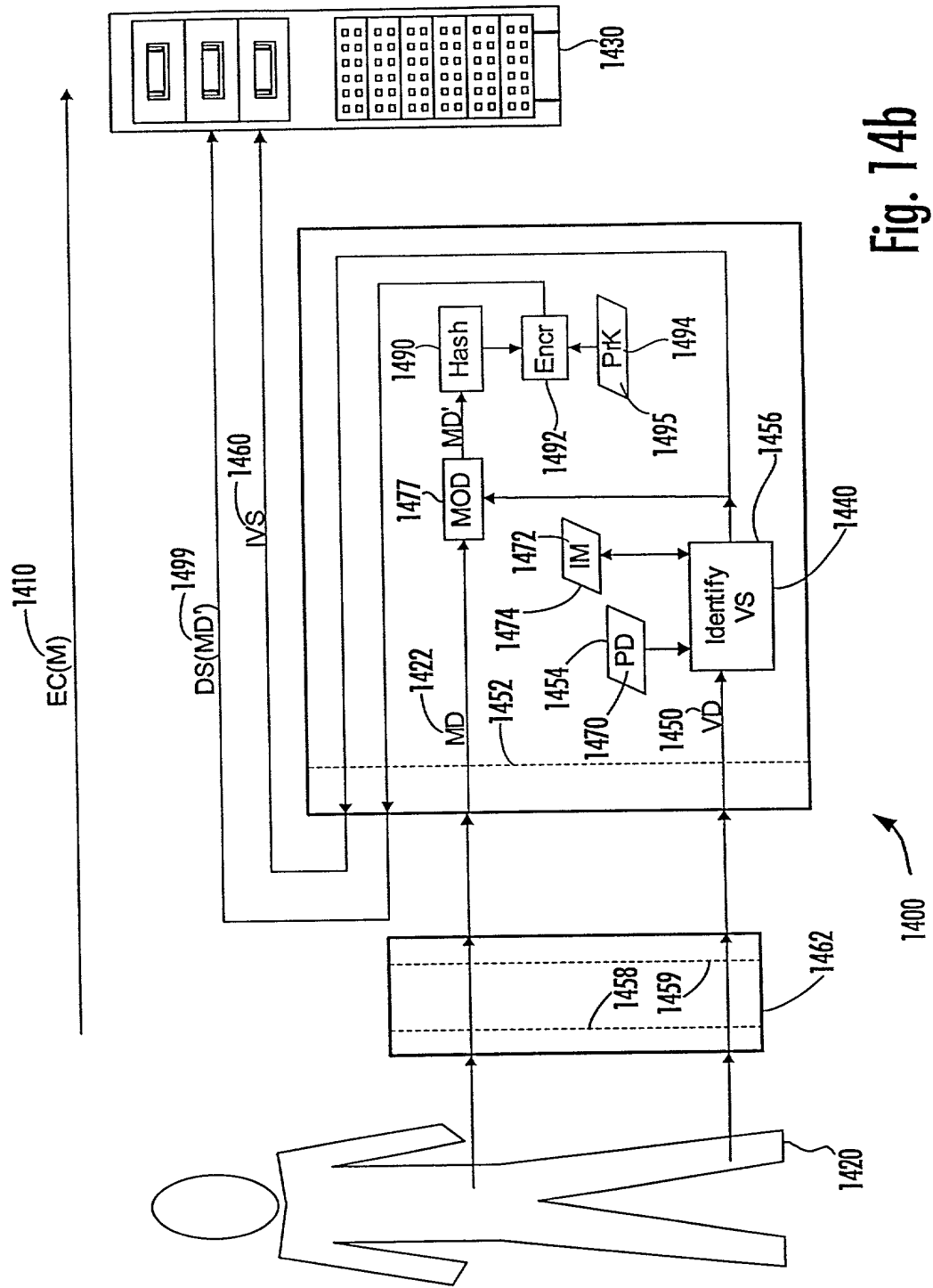


Fig. 14b

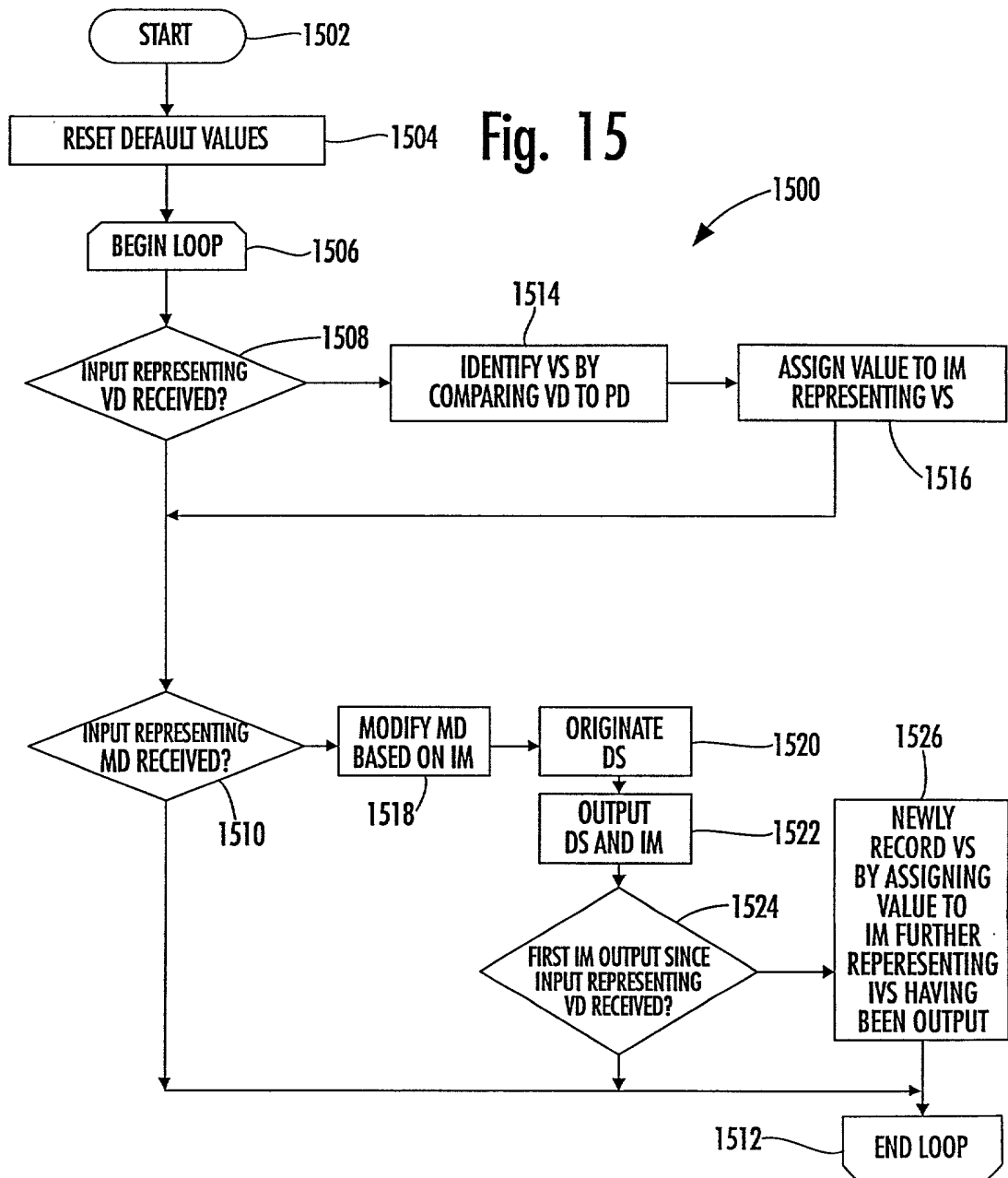


Fig. 15

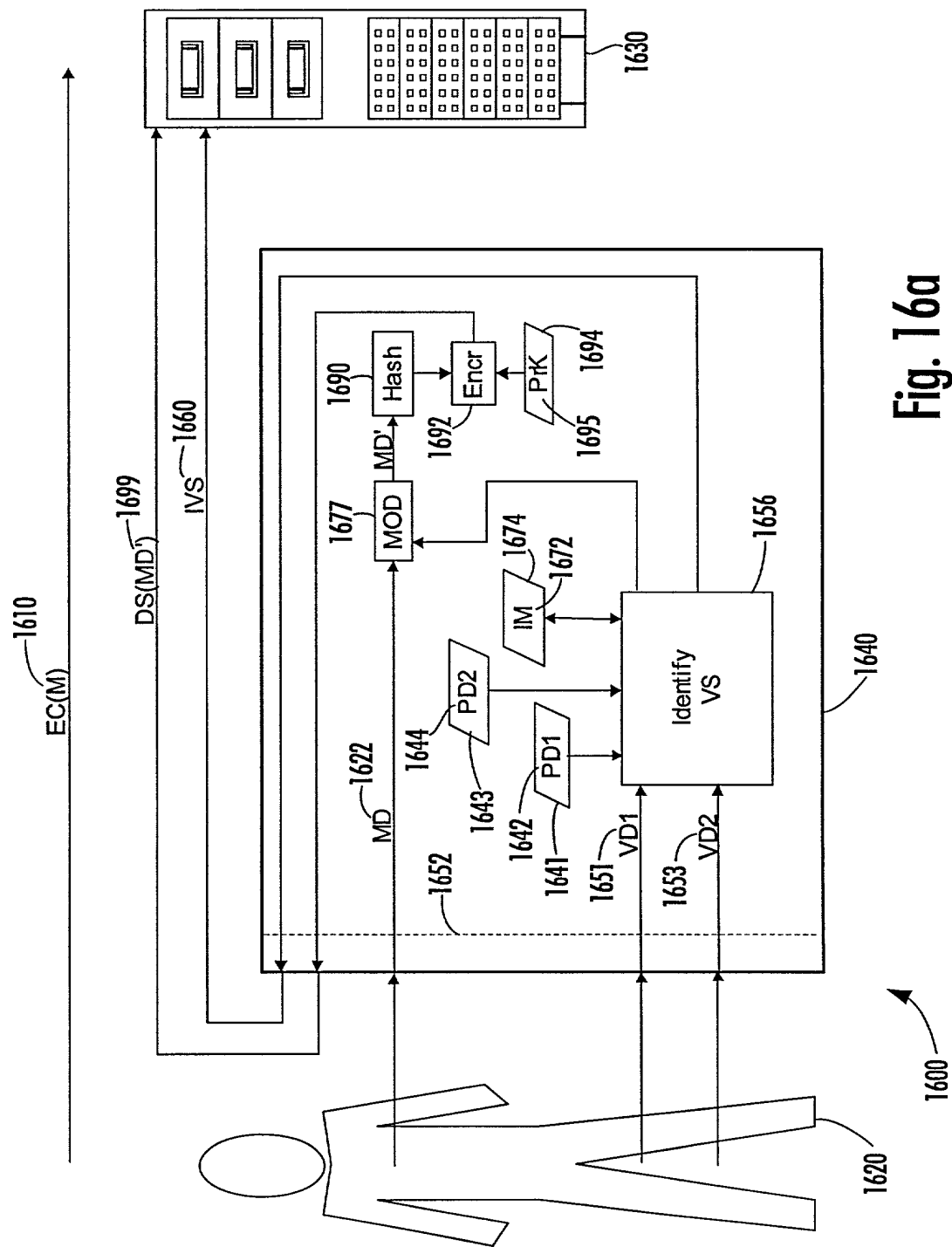


Fig. 16a



Fig. 16b

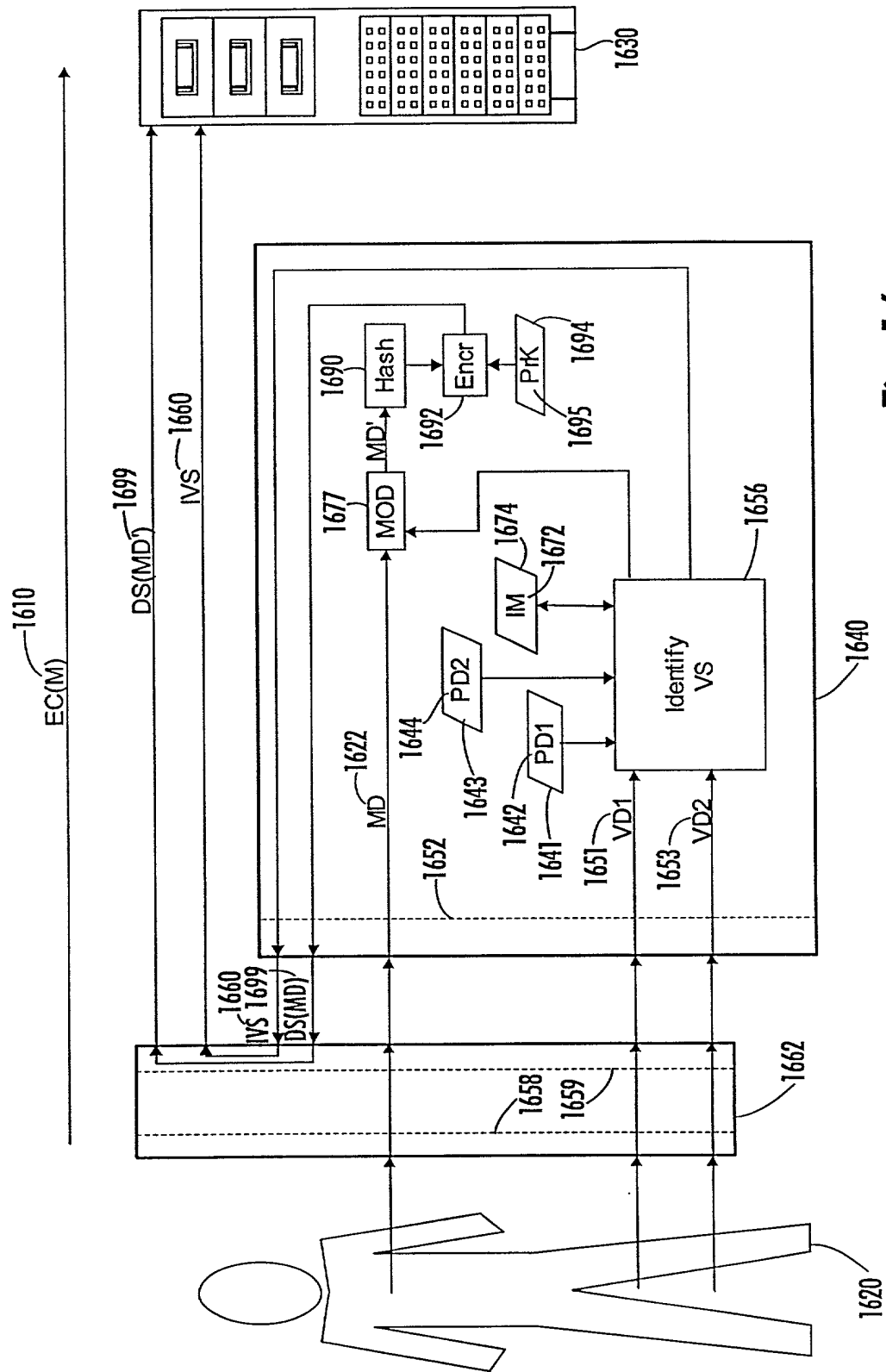
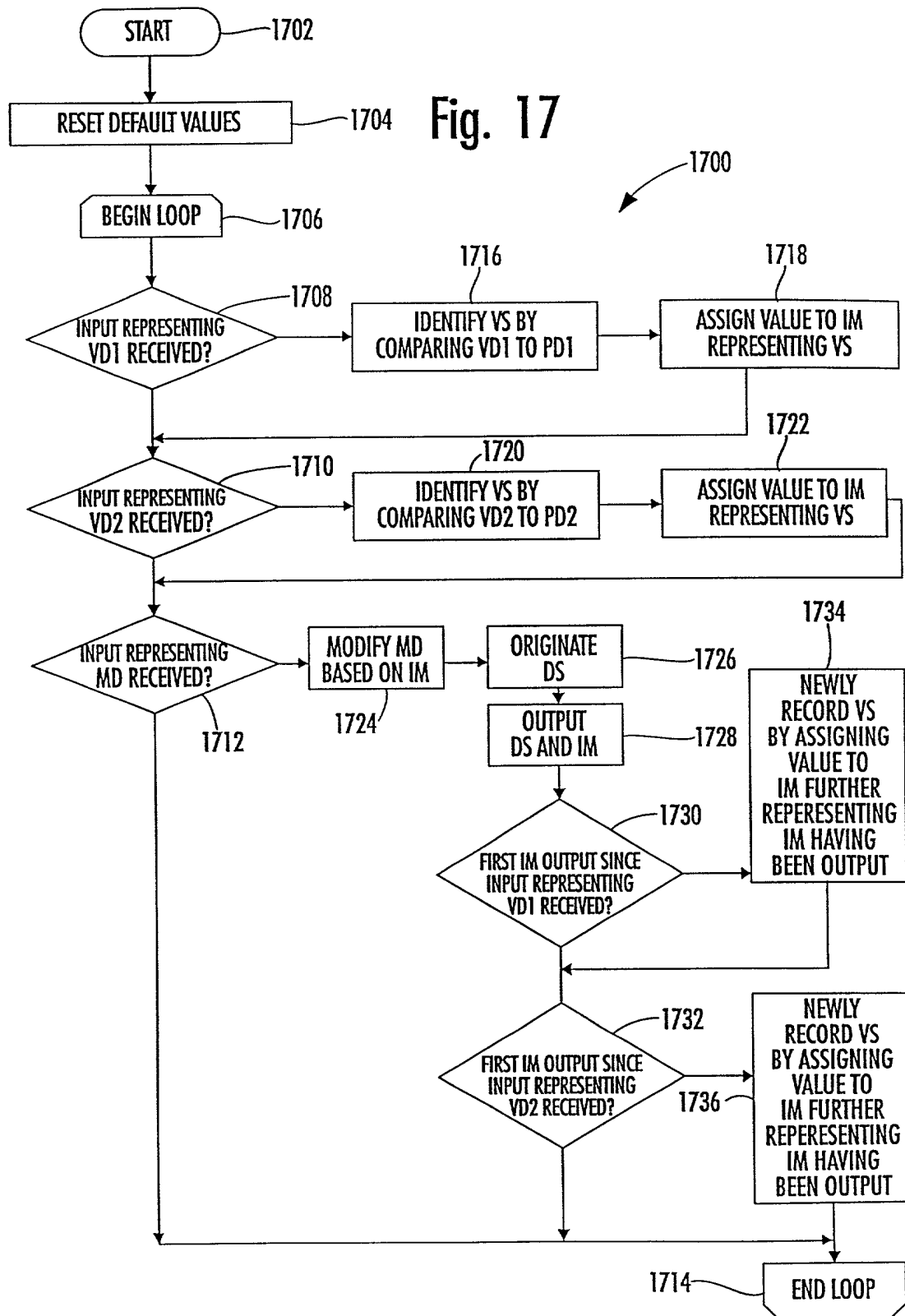


Fig. 16c



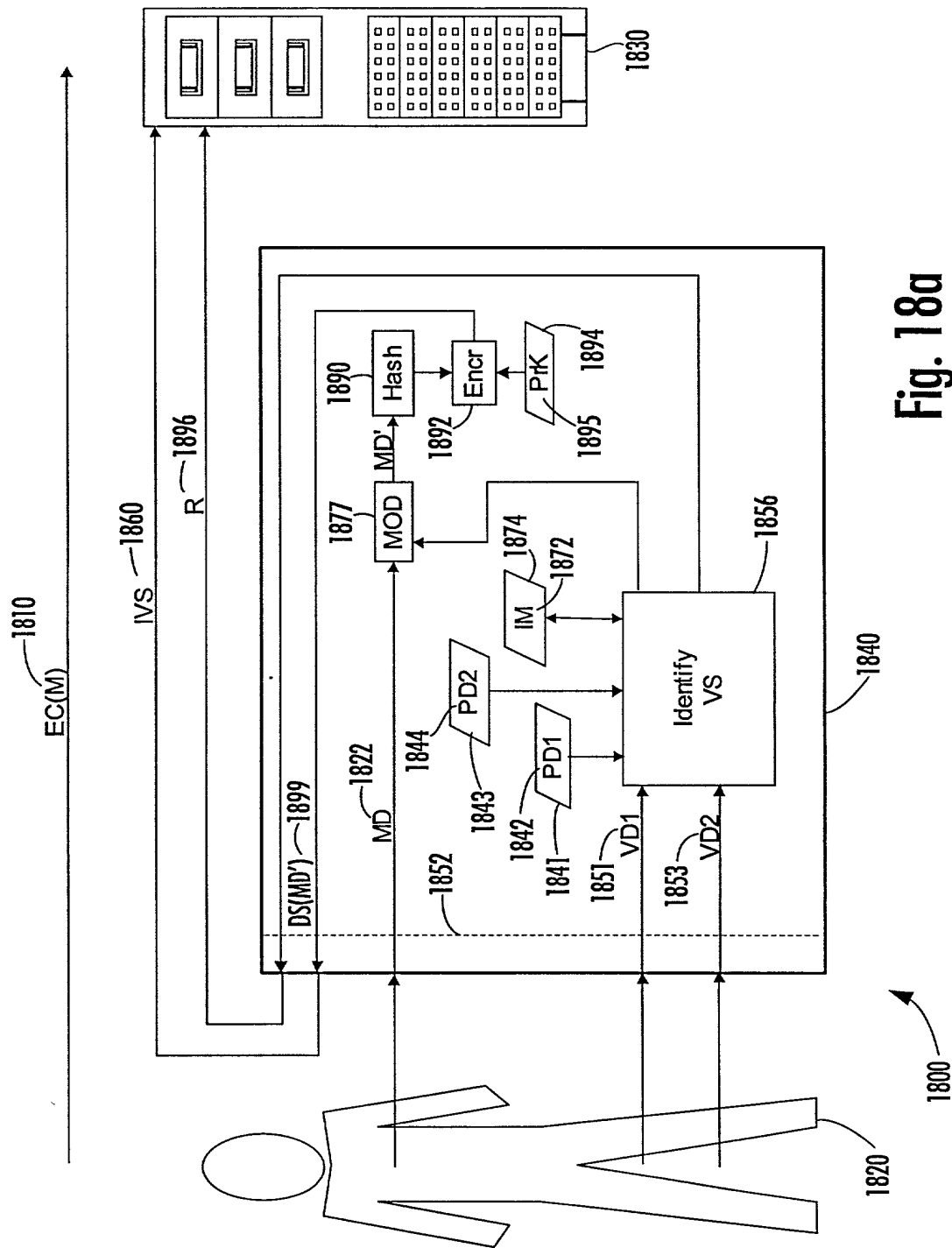


Fig. 18a

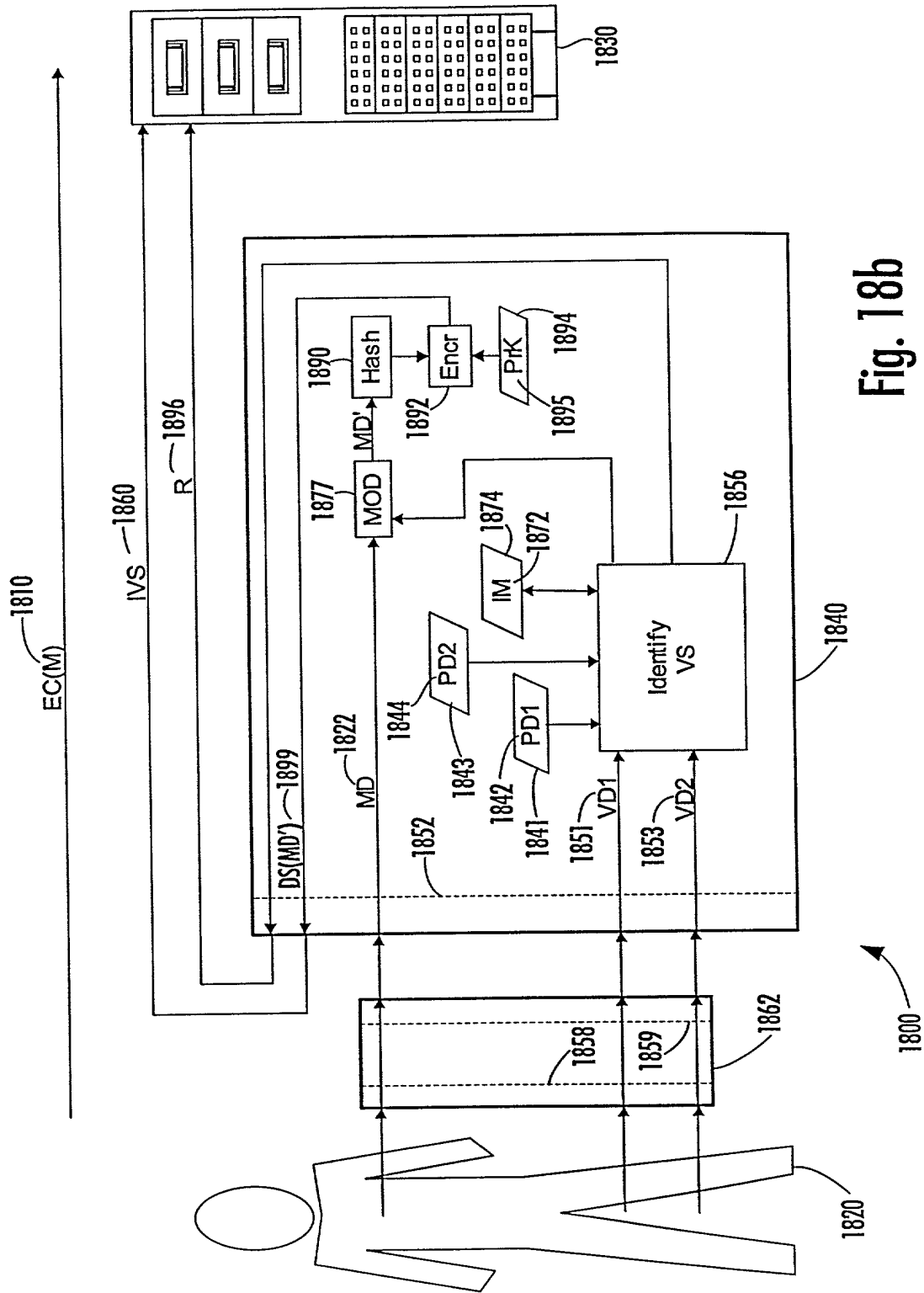


Fig. 18b

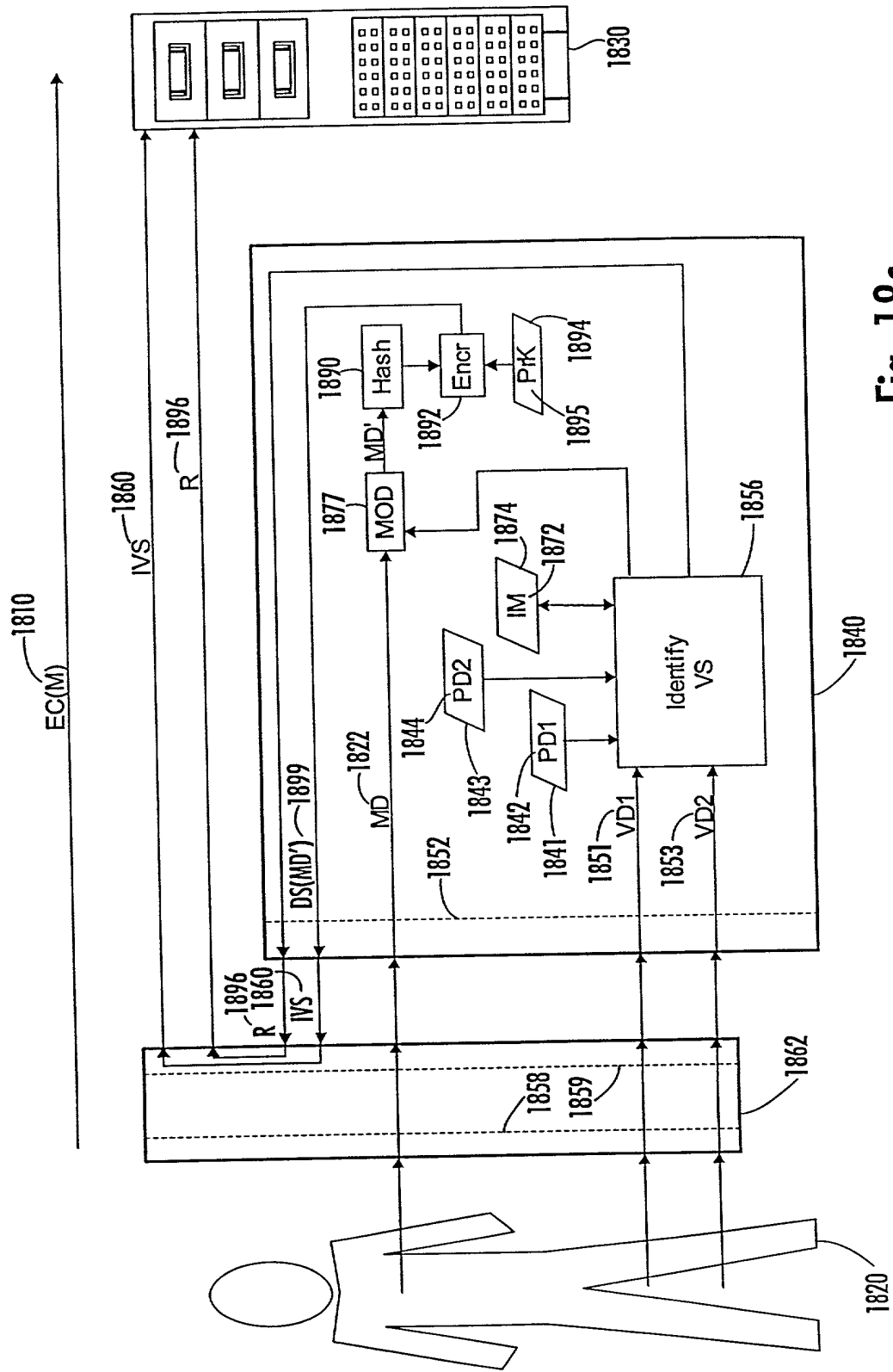
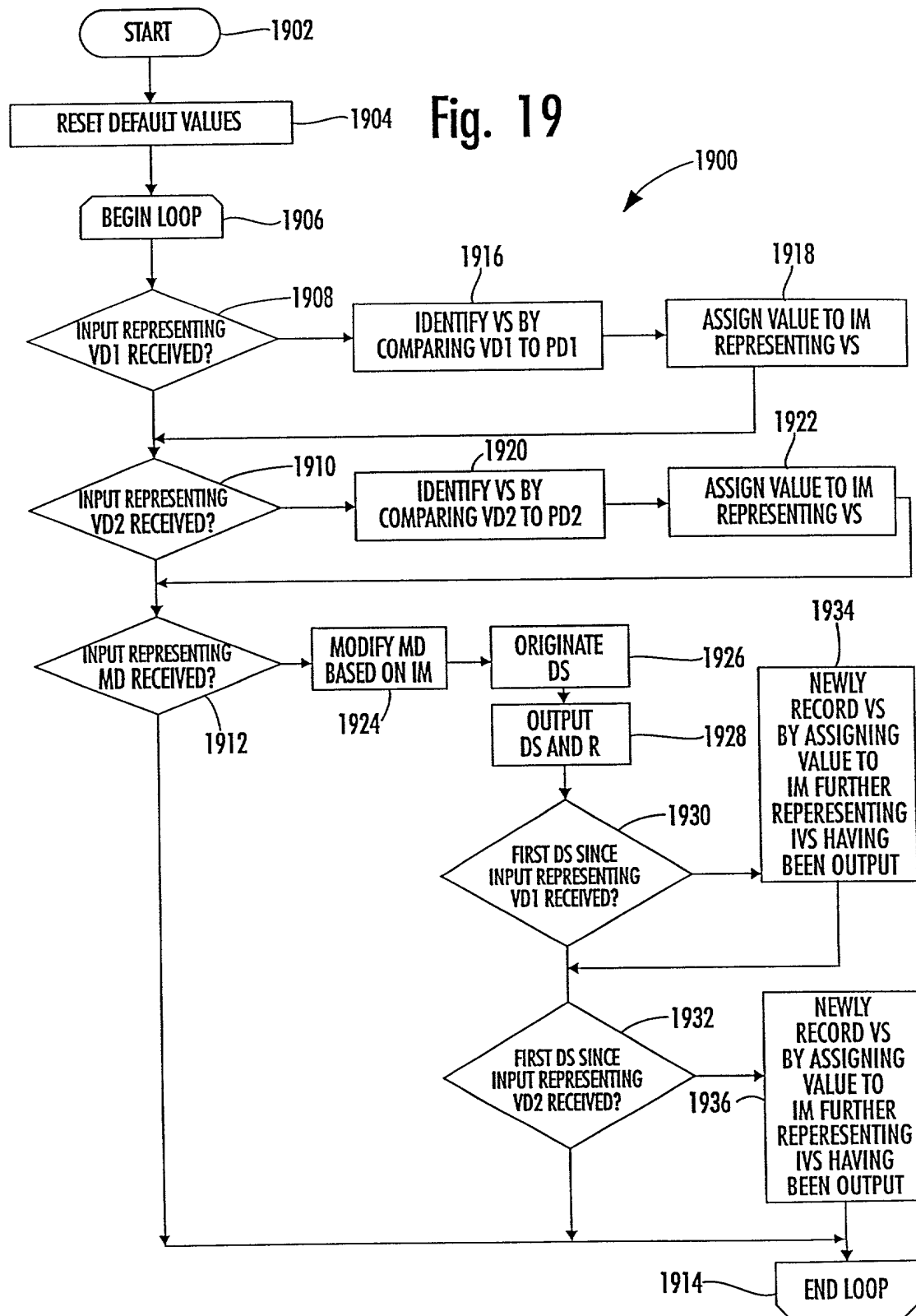


Fig. 18c



TYPE (2002) OF DATA	VALUE (AUTHORIZED USER) (2006)
PIN	PD=SPD=abcdef

2003

Fig. 20a

2070

2042

2005

2000a

TYPE (2002) OF DATA	VALUE (AUTHORIZED USER) (2006)
BIO:*****	PD=BPD=#####

2007

Fig. 20b

2070

2044

2009

2000b

TYPE (2002) OF DATA	IDENTIFIER (2004)	VALUE (AUTHORIZED USER) (2006)
PIN	001	PD=abcdef
BIO: FINGERPRINT (R-THUMB)	002	#####
BIO: FINGERPRINT (R-INDEX)	003	#####
BIO: FINGERPRINT (R-MIDDLE)	004	#####
BIO: FINGERPRINT (R-RING)	005	#####
BIO: FINGERPRINT (R-PINKY)	006	#####
BIO: FINGERPRINT (L-THUMB)	007	#####
BIO: FINGERPRINT (L-INDEX)	008	#####
BIO: FINGERPRINT (L-MIDDLE)	009	0
BIO: FINGERPRINT (L-RING)	010	#####
BIO: FINGERPRINT (L-PINKY)	011	#####
BIO: HANDPRINT (R)	012	#####
BIO: HANDPRINT (L)	013	#####
BIO: HAND GEOMETRY SCAN (R)	014	#####
BIO: HAND GEOMETRY SCAN (L)	015	0
BIO: RETINA SCAN (R)	016	#####
BIO: RETINA SCAN (L)	017	#####
BIO: IRIS SCAN (R)	018	#####
BIO: IRIS SCAN (L)	019	0
BIO: VOICE RECOGNITION	020	#####
BIO: FACIAL RECOGNITION	021	0
BIO: WRITTEN SIGNATURE	022	#####
BIO: WRITING SAMPLE	023	#####
BIO: DNA SAMPLE	024	#####

2000c

2008

2010

2012

2010

2012

2010

2012

2010

2012

2010

Fig. 20c

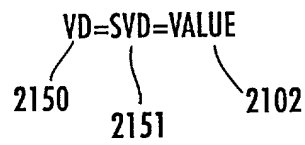


Fig. 21a

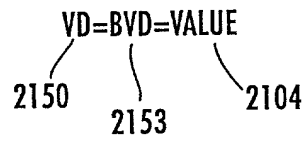


Fig. 21b

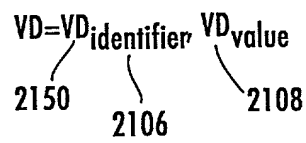


Fig. 21c

Fig. 22

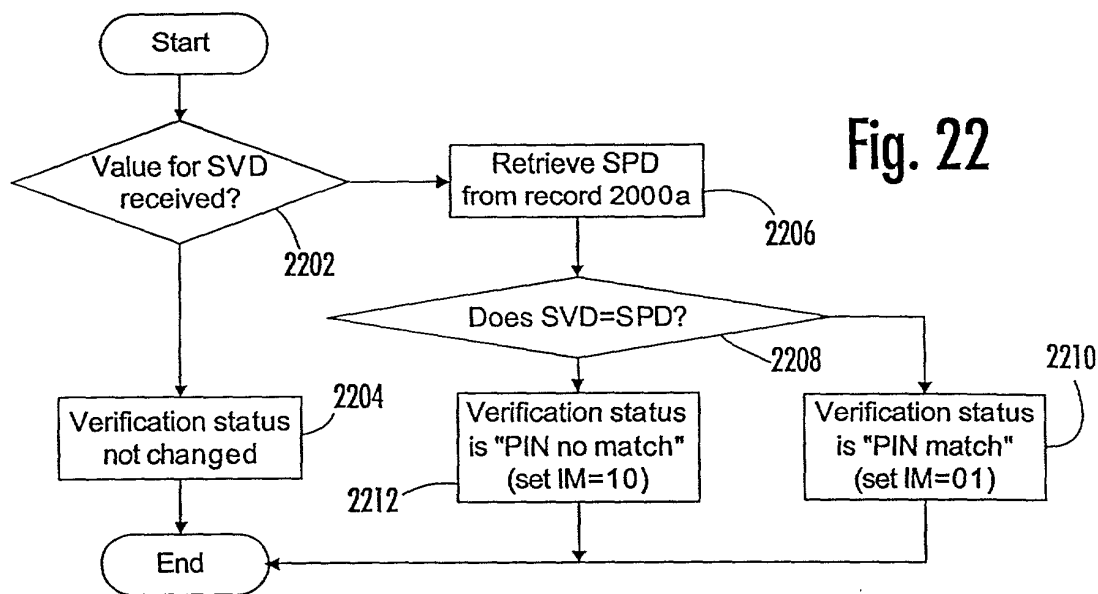


Fig. 23a

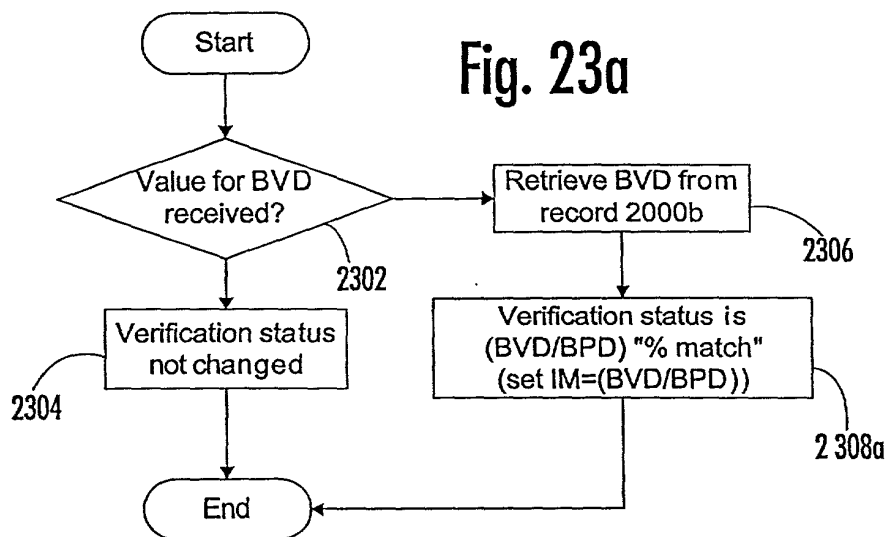


Fig. 23b

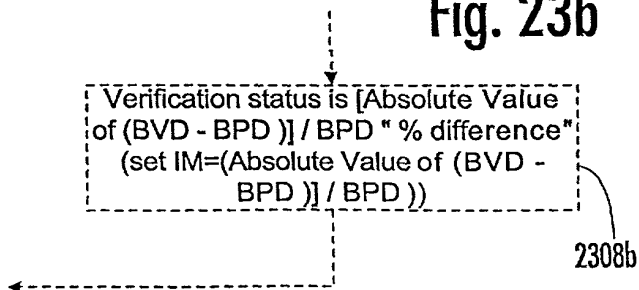
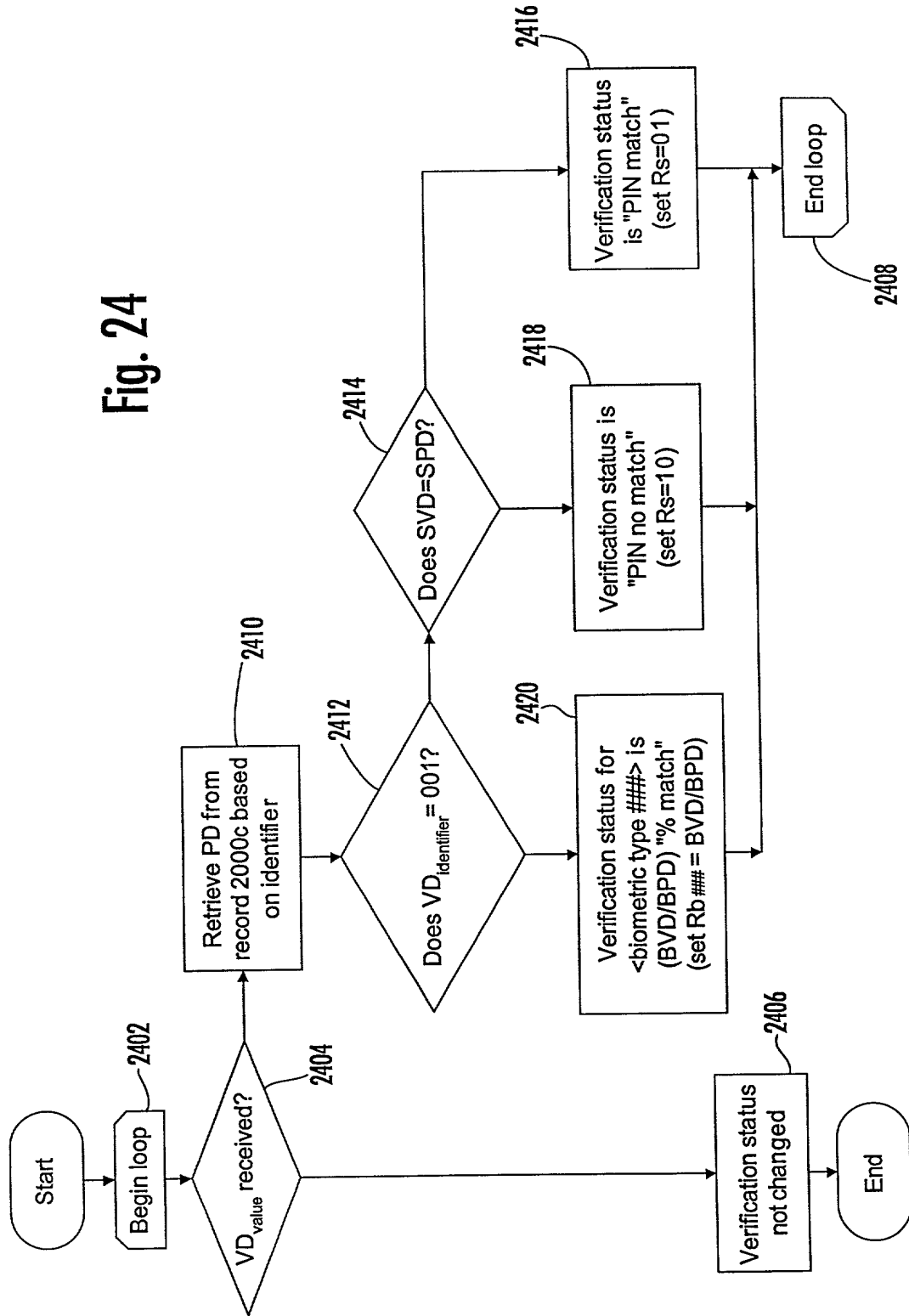


Fig. 24



VERIFICATION STATUS (PIN)	Rs ₁ (2502)	Rs ₂ (2504)	Rs ₃ (2506)
NO PIN INPUT	0	00	"NO INPUT"
PIN CORRECT	1	01	"MATCH"
PIN NOT CORRECT	2	10	"NO MATCH"

Fig. 25a

VERIFICATION STATUS (PIN)	Rs ₁ (2508)	Rs ₂ (2510)	Rs ₃ (2512)
NO PIN INPUT	0	00	"NO INPUT"
PIN CORRECT, 1ST OUTPUT	1	01	"MATCH, FIRST OUTPUT SINCE INPUT REPRESENTING VERIFICATION DATA RECEIVED"
PIN NOT CORRECT	2	10	"NO MATCH"
PIN CORRECT, PREVIOUS OUTPUT	3	11	"MATCH, BUT NOT FIRST OUTPUT SINCE INPUT REPRESENTING VERIFICATION DATA RECEIVED"

Fig. 25b

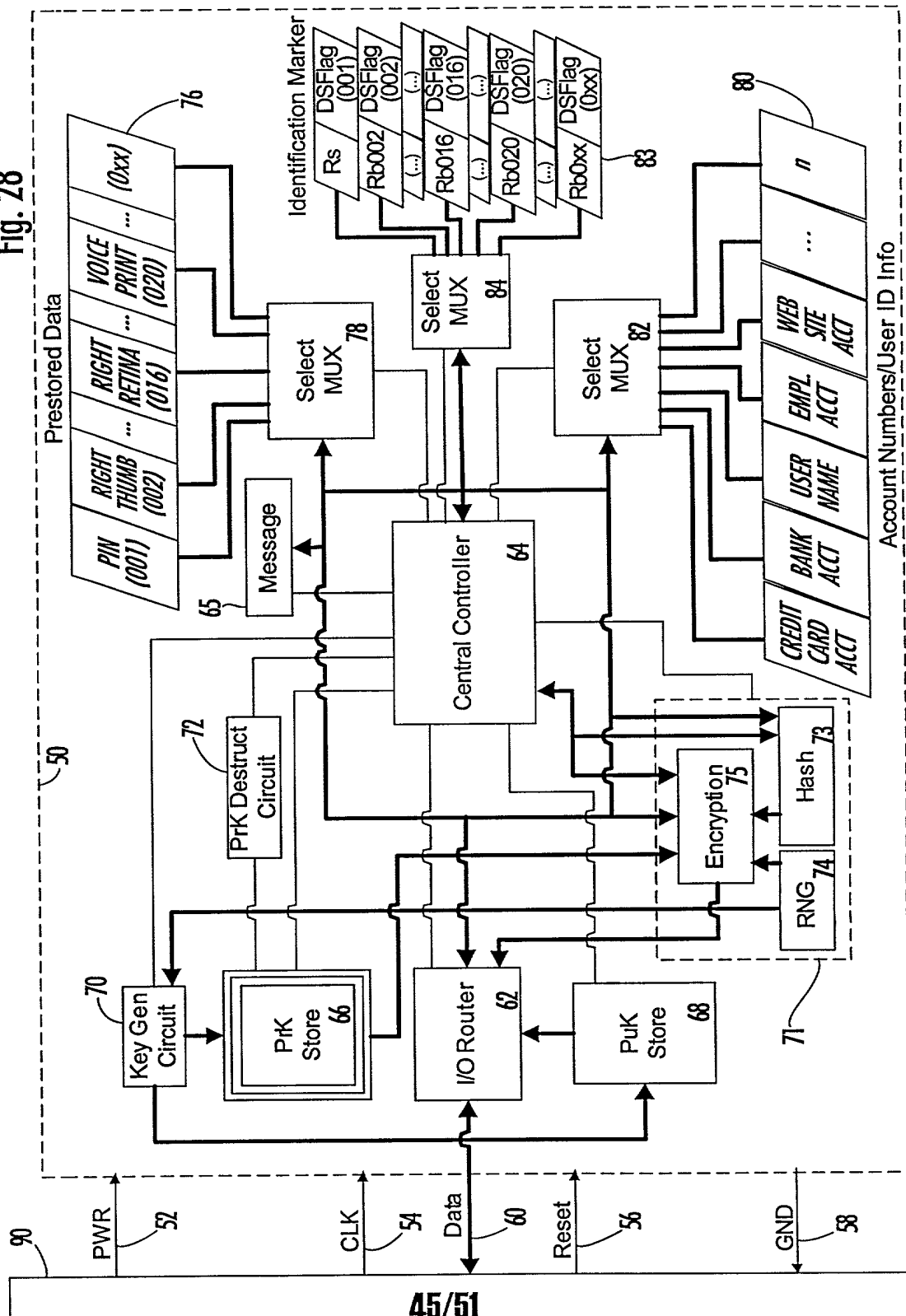
VERIFICATION STATUS (BIO)	Rb ₁ (2602)	Rb ₂ (2604)	Rb ₃ (2606)
NO BIO INPUT	00	0.00	"NO BIOMETRIC DATA ENTERED"
(BVD/BPD) "% MATCH"	##	0.##	<##> "% DEGREE OF MATCH"
[(BVD-BPD)] / BVD "% DIFFERENCE"	##	0.##	<##> "% DEGREE OF DIFFERENCE"

Fig. 26

ACTIONS IN SEQUENCE	IM				
	Rs	Rb002	DSFLAG (002)	Rb016	DSFLAG (016)
1. START UP/RESET	00	00	0	00	0
2. INCORRECT PIN	10	00	0	00	0
3. CORRECT PIN	01	00	0	00	0
4. 1ST DS & OUTPUT OF IVS	11	00	1	00	1
5. 2ND DS & OUTPUT OF IVS	11	00	1	00	1
6. CORRECT PIN	01	00	1	00	1
7. R. THUMB PROVIDED (85%)	01	85	0	00	1
8. R. RETINA PROVIDED (90%)	01	85	0	90	0
9. 3RD DS & OUTPUT OF IVS	11	85	1	90	1
10. 2ND R. THUMB PROVIDED (88%)	11	88	0	90	1
11. INCORRECT PIN	10	88	0	90	1
12. 4TH DS & OUTPUT OF IVS	10	88	1	90	1
13. 2ND R. RETINA PROVIDED (89%)	10	88	1	89	0

Fig. 27

Fig. 28



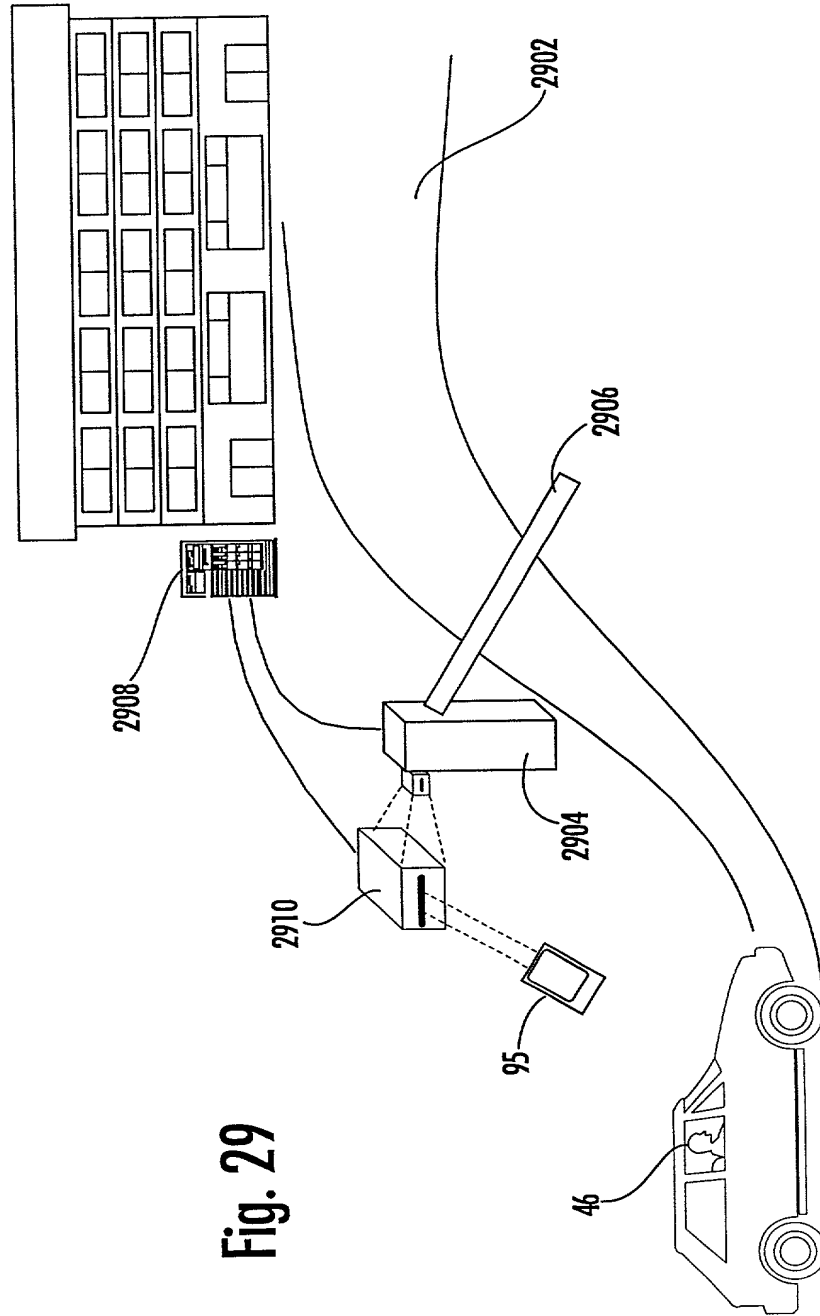
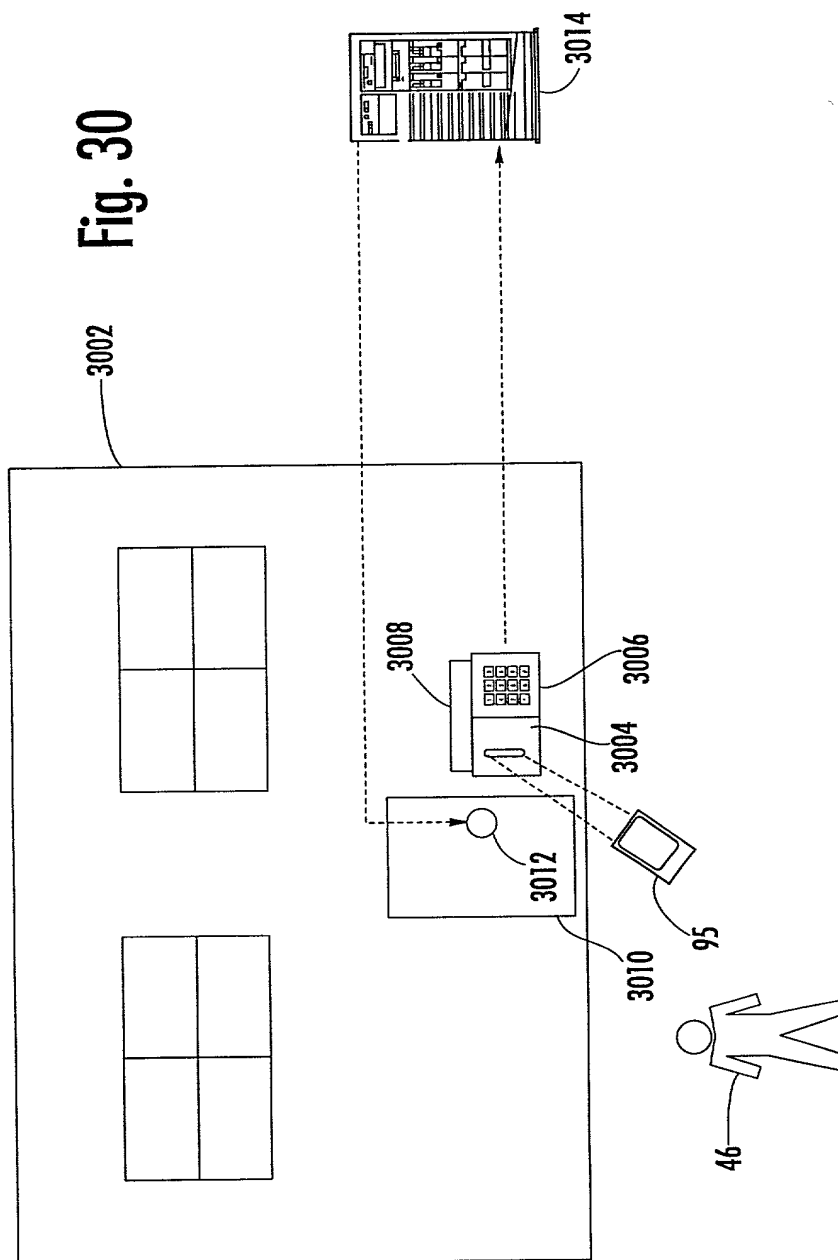


Fig. 29



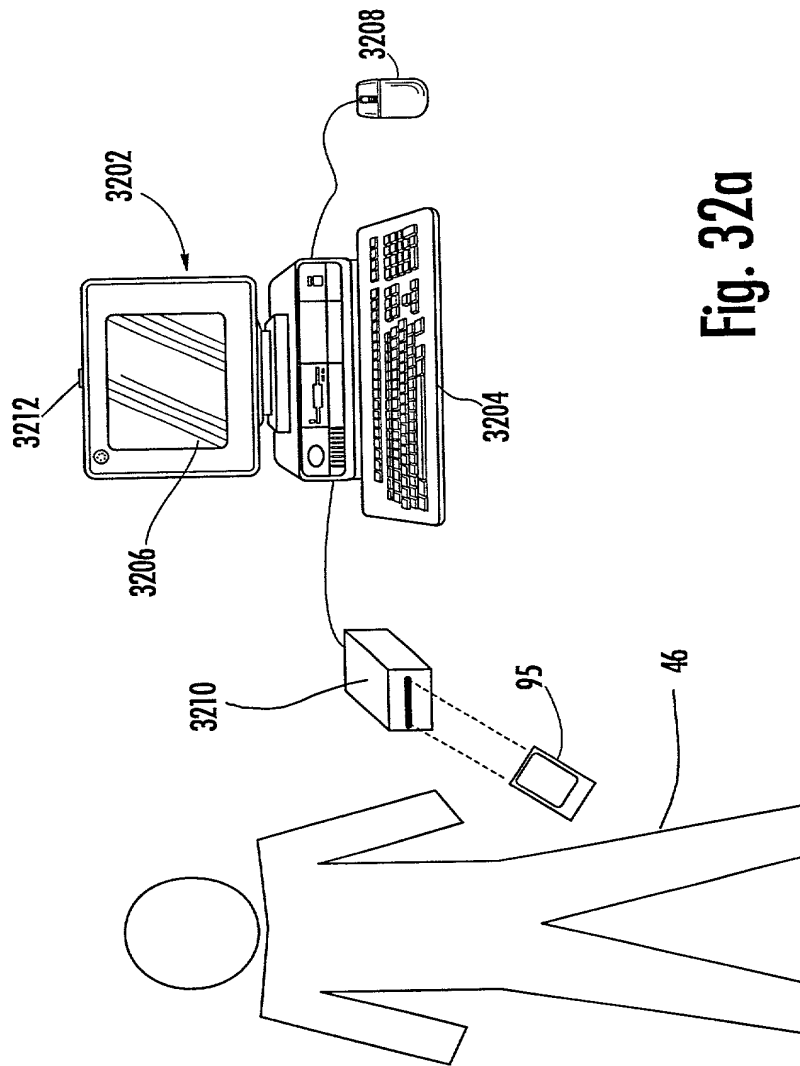


Fig. 32a

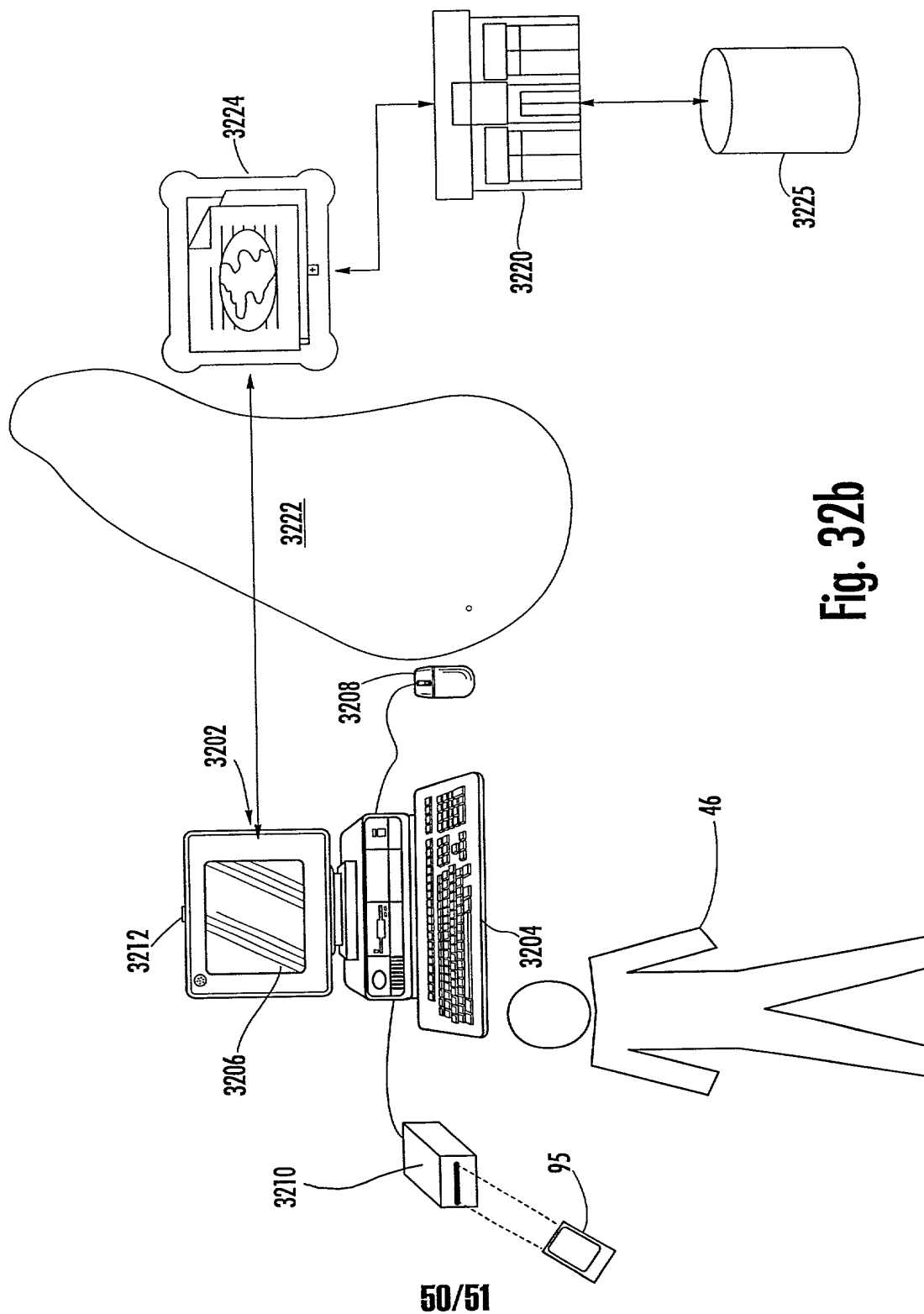


Fig. 32b

FIG. 33

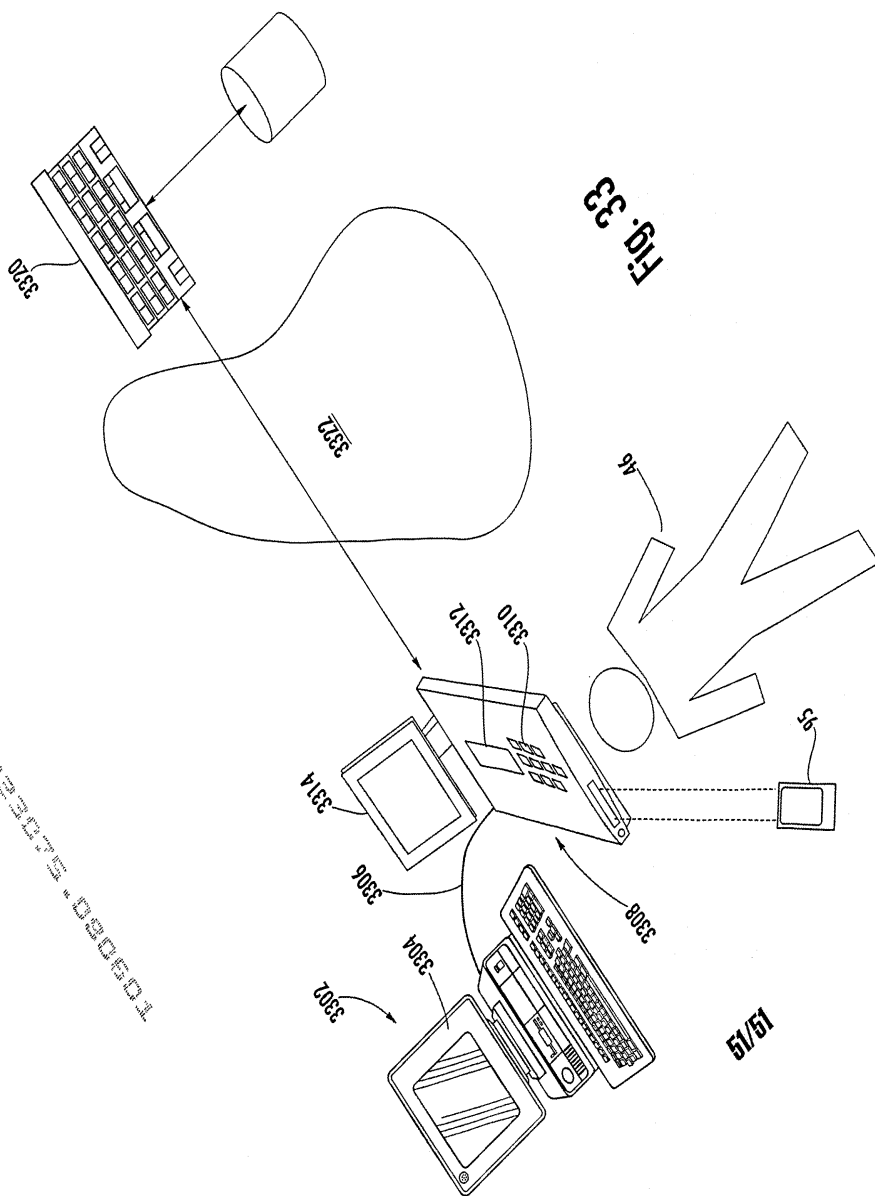


Fig. 33